

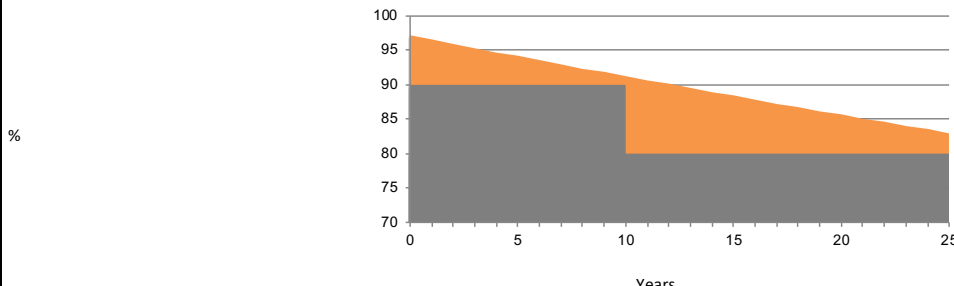
| MANUFACTURER                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |                                                                                                |
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| <div><div><div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div>SOLAR INNOVA GREEN TECHNOLOGY, S.L.</div><div>N.I.F.: ESB-54.627.278</div><div>Paseo de los Molinos, 12</div><div>03660 - NOVELDA (Alicante) SPAIN</div></div></div> |                                                                                                                                                                                                                                                                                                                                                                                                   | <div>T/F: +34965075767</div> <div>E: info@solarinnova.net</div> <div>W: www.solarinnova.net</div>                                                                                                                                                                                                                                                                                                                                                                    |                       | <div></div> |
| PHOTOVOLTAIC MODULES                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |                                                                                                |
| Series                                                                                                                                                                                                                                                                                                                                                                                               | BIPV-COLORED-PLASTERED                                                                                                                                                                                                                                                                                                                                                                            | Reference                                                                                                                                                                                                                                                                                                                                                                                                                                                            | BIPV-CL-PL-05-M158-60 | Type MONOCRYSTALLINE                                                                           |
| INTRODUCTION                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |                                                                                                |
|                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |                                                                                                |
|                                                                                                                                                                                                                                                                                                                     | MATERIALS                                                                                                                                                                                                                                                                                                                                                                                         | Solar Innova uses the latest materials to manufacture photovoltaic modules.                                                                                                                                                                                                                                                                                                                                                                                          |                       |                                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                      | USE                                                                                                                                                                                                                                                                                                                                                                                               | Our modules are ideal for any application that uses the photoelectric effect as a clean energy source because of its minimal chemical pollution and no noise pollution.                                                                                                                                                                                                                                                                                              |                       |                                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                      | FRONT                                                                                                                                                                                                                                                                                                                                                                                             | The front of the module contains a tempered solar glass with: <ul style="list-style-type: none"><li>☑ High transmissivity.</li><li>☑ Low reflectivity.</li><li>☑ Low iron content.</li></ul>                                                                                                                                                                                                                                                                         |                       |                                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                      | PV CELLS                                                                                                                                                                                                                                                                                                                                                                                          | These PV modules use high-efficiency monocrystalline silicon cells (the cells are made of a single crystal of high purity silicon) to transform the energy of sunlight into electric energy. <p>Each cell is electrically rated to optimize the behavior of the module.</p> <p>Its performance is excellent over the entire range of light spectrum, with particularly high yields in low light situations or cloudiness to direct sunlight (diffuse radiation).</p> |                       |                                                                                                |
|                                                                                                                                                                                                                                                                                                                   | ENCAPSULANT                                                                                                                                                                                                                                                                                                                                                                                       | The cell circuit is laminated using as encapsulant: <ul style="list-style-type: none"><li>☑ PVB (Polivinil Butiral).</li></ul>                                                                                                                                                                                                                                                                                                                                       |                       |                                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                      | BACK                                                                                                                                                                                                                                                                                                                                                                                              | The rear of the module contains a tempered glass which provides complete protection and seals against environmental agents and electrical insulation.                                                                                                                                                                                                                                                                                                                |                       |                                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                      | JUNCTION BOX                                                                                                                                                                                                                                                                                                                                                                                      | The junction boxes with IP67, are made from high temperature resistant plastics and containing terminals, connection terminals and protection diodes (by-pass). <p>These modules are supplied with symmetric lengths of cable, with a diameter of copper section of 4 mm and an extremely low contact resistance, all designed to achieve the minimum voltage drop losses.</p>                                                                                       |                       |                                                                                                |
| PERFORMANCE                                                                                                                                                                                                                                                                                                                                                                                          | Our modules comply with all safety requirements not only flexibility but also double insulation and high resistance to UV rays, all are suitable for use in outdoor applications. The design of these modules makes their integration in both industrial and residential buildings (one of the most emerging sectors in the photovoltaic market), and other infrastructure, simple and aesthetic. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |                                                                                                |
| QUALITY CONTROL                                                                                                                                                                                                                                                                                                                                                                                      | We have quality control divided into three elements: <ul style="list-style-type: none"><li>☑ Regular inspections allow us to guarantee the quality of the raw material.</li><li>☑ Quality control in the process of our manufacturing procedures.</li><li>☑ Quality control of finished products, we conduct through inspections and tests of reliability and performance.</li></ul>              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |                                                                                                |
| WARRANTIES                                                                                                                                                                                                                                                                                                                                                                                           | Our manufacturing plants have been prepared in accordance with: <ul style="list-style-type: none"><li>☑ ISO 9001, in terms of Quality Systems and Business.</li><li>☑ ISO 14001, in terms of Environmental Management Systems.</li><li>☑ ISO 45001, in terms of Management Systems Health and Safety.</li></ul>                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |                                                                                                |
| CERTIFICATES                                                                                                                                                                                                                                                                                                                                                                                         | Our PV modules are certified by internationally recognized laboratories and are proof of our strict adherence to international safety standards, long term performance and overall quality of products.                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |                                                                                                |
|                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |                                                                                                |

Page

1/4

| MANUFACTURER                                                                                                                                                |                        |                                                                                       |              |                                 |                                 |                         |             |            |                 |
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| <div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div><div>SOLAR INNOVA</div></div> |                        | SOLAR INNOVA GREEN TECHNOLOGY, S.L.                                                   |              |                                 |                                 |                         |             |            |                 |
|                                                                                                                                                             |                        | N.I.F.: ESB-54.627.278                                                                |              |                                 |                                 | T/F: +34965075767       |             |            |                 |
|                                                                                                                                                             |                        | Paseo de los Molinos, 12                                                              |              |                                 |                                 | E: info@solarinnova.net |             |            |                 |
|                                                                                                                                                             |                        | 03660 - NOVELDA (Alicante) SPAIN                                                      |              |                                 |                                 | W: www.solarinnova.net  |             |            |                 |
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| PHOTOVOLTAIC MODULES                                                                                                                                        |                        |                                                                                       |              |                                 |                                 |                         |             |            |                 |
| Series                                                                                                                                                      | BIPV-COLORED-PLASTERED |                                                                                       |              |                                 | Reference                       | BIPV-CL-PL-05-M158-60   |             | Type       | MONOCRYSTALLINE |
| PV CELLS                                                                                                                                                    |                        |                                                                                       |              |                                 |                                 |                         |             |            |                 |
| ELECTRICAL CHARACTERISTICS                                                                                                                                  |                        |                                                                                       |              |                                 |                                 |                         |             |            |                 |
| Type                                                                                                                                                        | Monofacial             |                                                                                       |              |                                 | sc-Si                           |                         |             |            |                 |
| MECHANICAL CHARACTERISTICS                                                                                                                                  |                        |                                                                                       |              |                                 | TEMPERATURE COEFFICIENTS        |                         |             |            |                 |
| Size                                                                                                                                                        | mm                     | 158,75 x 158,75 ±0,5                                                                  |              |                                 | Tk Voltage                      | %/K                     | -0,36       |            |                 |
| Thickness                                                                                                                                                   | µm                     | 210 ±20                                                                               |              |                                 | Tk Current                      | %/K                     | 0,07        |            |                 |
| Front                                                                                                                                                       | [-]                    | Si3N4 anti-reflection coating                                                         |              |                                 | Tk Power                        | %/K                     | -0,38       |            |                 |
| Back                                                                                                                                                        | [+]                    | Aluminum back surface field (Al-BSF)                                                  |              |                                 |                                 |                         |             |            |                 |
| PV MODULES                                                                                                                                                  |                        |                                                                                       |              |                                 |                                 |                         |             |            |                 |
| ELECTRICAL CHARACTERISTICS                                                                                                                                  |                        |                                                                                       |              |                                 |                                 |                         |             |            |                 |
| STC CONDITIONS                                                                                                                                              |                        |                                                                                       |              |                                 |                                 |                         |             |            |                 |
| Maximum power                                                                                                                                               | [Pmpp]                 | Wp                                                                                    |              |                                 |                                 | 195                     | ±3% (*)     |            |                 |
| Power selection                                                                                                                                             | [Pmpp]                 | %                                                                                     |              |                                 |                                 | ±3                      |             |            |                 |
| Voltage at maximum power                                                                                                                                    | [Vmpp]                 | V                                                                                     |              |                                 |                                 | 34,44                   | IEC 60904-1 |            |                 |
| Current at maximum power                                                                                                                                    | [Impp]                 | A                                                                                     |              |                                 |                                 | 5,67                    | IEC 60904-3 |            |                 |
| Open circuit voltage                                                                                                                                        | [Voc]                  | V                                                                                     |              |                                 |                                 | 40,64                   | ±3% (*)     |            |                 |
| Short circuit current                                                                                                                                       | [Isc]                  | A                                                                                     |              |                                 |                                 | 6,01                    | ±4% (*)     |            |                 |
| Maximum system voltage                                                                                                                                      | [Vsyst]                | V                                                                                     |              |                                 |                                 | 1500 / 1000             | IEC / UL    |            |                 |
| Maximum series fuse rating                                                                                                                                  | [Icf]                  | A                                                                                     |              |                                 |                                 | 15                      |             |            |                 |
| Efficiency                                                                                                                                                  | [ηm]                   | %                                                                                     |              |                                 |                                 | 10,95                   |             |            |                 |
| Form Factor                                                                                                                                                 | [FF]                   | %                                                                                     |              |                                 |                                 | 79,95                   |             |            |                 |
| STC (Standard Test Conditions):                                                                                                                             |                        | Irradiance: 1000 W/m2 + Cell Temperature: 25º C + Air Mass: 1.5                       |              |                                 |                                 |                         |             |            |                 |
|                                                                                                                                                             |                        | * (Considering LID, the power range of the certification authority)                   |              |                                 |                                 |                         |             |            |                 |
| NMOT CONDITIONS                                                                                                                                             |                        |                                                                                       |              |                                 |                                 |                         |             |            |                 |
| Maximum power                                                                                                                                               | [Pmpp]                 | Wp                                                                                    |              |                                 |                                 | 144                     | IEC 61215   |            |                 |
| Voltage at maximum power                                                                                                                                    | [Vmpp]                 | V                                                                                     |              |                                 |                                 | 31,36                   |             |            |                 |
| Current at maximum power                                                                                                                                    | [Impp]                 | A                                                                                     |              |                                 |                                 | 4,61                    |             |            |                 |
| Open circuit voltage                                                                                                                                        | [Voc]                  | V                                                                                     |              |                                 |                                 | 37,14                   |             |            |                 |
| Short circuit current                                                                                                                                       | [Isc]                  | A                                                                                     |              |                                 |                                 | 4,88                    |             |            |                 |
| NMOT (Nominal Module Operating Temperature):                                                                                                                |                        | Irradiance: 800 W/m2 + Ambient Temperature: 20º C + Air Mass: 1.5 + Wind Speed: 1 m/s |              |                                 |                                 |                         |             |            |                 |
| MECHANICAL CHARACTERISTICS                                                                                                                                  |                        |                                                                                       |              |                                 |                                 |                         |             |            |                 |
| PANEL                                                                                                                                                       | WIDTH (X)              |                                                                                       | HIGH (Y)     |                                 | DIAGONAL                        |                         | AREA        | POWER/AREA |                 |
| Size - Glass-1                                                                                                                                              | 1050                   | x                                                                                     | 1700         | mm                              |                                 |                         | 1,79 m2     | 109 Wp/m2  |                 |
| Size - Glass-2                                                                                                                                              | 1050                   | x                                                                                     | 1700         | mm                              |                                 |                         | 1,79 m2     |            |                 |
| CELLS                                                                                                                                                       |                        |                                                                                       |              |                                 |                                 |                         |             |            |                 |
| Size                                                                                                                                                        | 158,75                 | x                                                                                     | 158,75       | mm                              | 210 mm                          |                         | 0,03 m2     |            |                 |
| Distance - Top                                                                                                                                              |                        |                                                                                       | 47           | mm                              |                                 |                         |             |            |                 |
| Distance - between Cells                                                                                                                                    | 2                      | x                                                                                     | 2            | mm                              |                                 |                         |             |            |                 |
| Distance - Left                                                                                                                                             | 44                     | mm                                                                                    |              |                                 |                                 |                         |             |            |                 |
| Distance - Right                                                                                                                                            | 44                     | mm                                                                                    |              |                                 |                                 |                         |             |            |                 |
| Distance - Bottom                                                                                                                                           |                        |                                                                                       | 47           | mm                              |                                 |                         |             |            |                 |
| Quantity                                                                                                                                                    | 6                      | x                                                                                     | 10           | =                               | 60 units                        |                         | 1,51 m2     |            |                 |
| COMPONENTS                                                                                                                                                  |                        |                                                                                       |              |                                 |                                 |                         |             |            |                 |
| MATERIAL                                                                                                                                                    | QUANTITY               | THICKNESS (Z)                                                                         | DESCRIPTION  | DENSITY                         | TOTAL WEIGHT                    | THERMAL RESISTANCE      |             |            |                 |
| Glass-1                                                                                                                                                     | 1 units                | 4 mm                                                                                  | HST-UClear   | 10,12 kg/m2                     | 18,07 kg                        | 0,1738 m2K/W            |             |            |                 |
| Sheet Encapsulant                                                                                                                                           | 1 units                | 0,76 mm                                                                               | PVB          | 0,81 kg/m2                      | 1,44 kg                         | 0,0032 m2K/W            |             |            |                 |
| Busbars                                                                                                                                                     | 5 units                | 0,2 mm                                                                                | SnAgCu       | 0,10 kg/m2                      | 0,15 kg                         |                         |             |            |                 |
| PV Cells                                                                                                                                                    | 60 units               | 0,21 mm                                                                               | sc-Si        | 0,20 kg/m2                      | 0,30 kg                         |                         |             |            |                 |
| Sheet Encapsulant                                                                                                                                           | 1 units                | 0,76 mm                                                                               | PVB          | 0,81 kg/m2                      | 1,44 kg                         | 0,0032 m2K/W            |             |            |                 |
| Backsheet                                                                                                                                                   | 1 units                | 0,5 mm                                                                                | TPT-RAL 9005 | 0,47 kg/m2                      | 0,84 kg                         | 0,0032 m2K/W            |             |            |                 |
| Glass-2                                                                                                                                                     | 1 units                | 4 mm                                                                                  | TVG          | 10,12 kg/m2                     | 18,07 kg                        | 0,1738 m2K/W            |             |            |                 |
| Junction Box                                                                                                                                                | 1 units                | 10 mm                                                                                 | PVC-IP68     | 0,10 kg/m2                      | 0,10 kg                         |                         |             |            |                 |
| Diodes (By-pass)                                                                                                                                            | 5 units                |                                                                                       |              | 0,01 kg/m2                      | 0,02 kg                         |                         |             |            |                 |
| Cables (+/-)                                                                                                                                                | 2 units                | 4 mm2                                                                                 | 900 mm       | 0,10 kg/m2                      | 0,20 kg                         |                         |             |            |                 |
| Connectors                                                                                                                                                  | 2 units                | MC4-T4 type                                                                           | PVC-IP67     | 0,05 kg/m2                      | 0,10 kg                         |                         |             |            |                 |
| TOTAL                                                                                                                                                       |                        | 10,23 mm                                                                              |              | 26,94 kg/m2                     | 40,74 kg                        | 0,36 m2K/W              |             |            |                 |
| THERMAL CHARACTERISTICS                                                                                                                                     |                        |                                                                                       |              |                                 |                                 |                         |             |            |                 |
| TEMPERATURE COEFFICIENTS                                                                                                                                    |                        |                                                                                       |              |                                 | MONOCRYSTALLINE                 |                         |             |            |                 |
| Temperature coefficient of short circuit current                                                                                                            | α                      | [Isc]                                                                                 |              |                                 | 0,0814                          | % / º C                 |             |            |                 |
| Temperature coefficient of open circuit voltage                                                                                                             | β                      | [Voc]                                                                                 |              |                                 | -0,3910                         | % / º C                 |             |            |                 |
| Temperature coefficient of maximum power                                                                                                                    | γ                      | [Pmpp]                                                                                |              |                                 | -0,5141                         | % / º C                 |             |            |                 |
| Temperature coefficient of current at maximum power                                                                                                         |                        | [Impp]                                                                                |              |                                 | 0,1000                          | % / º C                 |             |            |                 |
| Temperature coefficient of voltage at maximum power                                                                                                         |                        | [Vmpp]                                                                                |              |                                 | -0,3800                         | % / º C                 |             |            |                 |
| Nominal Module Operating Temperature                                                                                                                        |                        | [NMOT]                                                                                |              |                                 | + 47 ± 2                        | º C                     |             |            |                 |
| THERMAL TRANSMITTANCE (U)                                                                                                                                   |                        |                                                                                       |              |                                 | SOLAR HEAT GAIN COEFFICIENT (G) |                         |             |            |                 |
| Ug-Value                                                                                                                                                    | 2,80 W/m2 K            | EN 673                                                                                |              |                                 | G-Value                         | 0,36 %                  | EN 410      |            |                 |
| UV TRANSMITTANCE                                                                                                                                            |                        |                                                                                       |              |                                 | ACOUSTIC INSULATION (R)         |                         |             |            |                 |
| UV-Value                                                                                                                                                    | 0,00 %                 | 300-380 nm                                                                            | EN 410       |                                 | R-Value                         | 32(-1;-3)               | EN 12758    |            |                 |
| VISIBLE LIGHT TRANSMISSION (LT)                                                                                                                             |                        |                                                                                       |              |                                 |                                 |                         |             |            |                 |
| LT-Value                                                                                                                                                    | 0,00 %                 | 380-780 nm                                                                            | EN 410       |                                 | Opacity                         | 100,00 %                | CIE D65     | ISO 9050   |                 |
| EXTERIOR REFLECTION (LRe)                                                                                                                                   |                        |                                                                                       |              |                                 | INTERIOR REFLECTION (LRI)       |                         |             |            |                 |
| LRe-Value                                                                                                                                                   | 8,00 %                 | EN 410                                                                                |              |                                 | LRI-Value                       | 15,00 %                 | EN 410      |            |                 |
| TOLERANCES                                                                                                                                                  |                        |                                                                                       |              |                                 |                                 |                         |             |            |                 |
| Working temperature                                                                                                                                         | - 40 / + 85 ºC         |                                                                                       |              | Glass dimension                 | < ± 2,5 mm                      |                         | EN 12543-5  |            |                 |
| Dielectric isolation voltage                                                                                                                                | 3000 V                 |                                                                                       |              | Glass symmetrytolerance         | < ± 3 mm                        |                         | EN 12543-5  |            |                 |
| Relative humidity                                                                                                                                           | 0 / 100 %              |                                                                                       |              | Cell single string distolerance | < ± 1 mm                        |                         | EN 12543-6  |            |                 |
| Wind resistance                                                                                                                                             | 15345 Pa               | 1565 kg/m2                                                                            |              |                                 |                                 |                         | IEC 61215   |            |                 |
| Snow resistance                                                                                                                                             | 15345 Pa               | 1565 kg/m2                                                                            |              | Maximum hail resistance         | Ø 25                            | 23 m/s                  | IEC 61215   |            |                 |
| Conductivity at ground                                                                                                                                      | ≤ 0.1 Ω                |                                                                                       |              | Resistance                      | ≥ 100 Ω                         |                         |             |            |                 |
| CLASSIFICATIONS                                                                                                                                             |                        |                                                                                       |              |                                 |                                 |                         |             |            |                 |
| Application class                                                                                                                                           | A Class                | IEC 61730                                                                             |              | Pollution                       | Degree                          | 1                       | IEC 61730   |            |                 |
| Electrical protection class                                                                                                                                 | II Class               | IEC 61140                                                                             | IEC 61730    | Material                        | Group                           | I                       | IEC 61730   |            |                 |
| Fire safety class                                                                                                                                           | A Class                | ANSI/UL 790                                                                           | IEC 61730    | Safety                          | Factors                         | 1.5                     | IEC 61730   |            |                 |
| LAMINATED GLASS (EN 14449)                                                                                                                                  |                        |                                                                                       |              |                                 |                                 |                         |             |            |                 |
| Impact resistance                                                                                                                                           | 1B1 Class              | EN 12600                                                                              |              | High temperature                | OK                              |                         | EN 12543-4  |            |                 |
| Manual attack                                                                                                                                               | P2A Class              | EN 356                                                                                |              | Humidity                        | OK                              |                         | EN 12543-4  |            |                 |
| Page 2/4                                                                                                                                                    |                        |                                                                                       |              |                                 |                                 |                         |             |            |                 |



| MANUFACTURER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                     |                                                                                                                                      |                 |                                                                        |                             |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                     | <b>SOLAR INNOVA GREEN TECHNOLOGY, S.L.</b><br>N.I.F.: ESB-54.627.278<br>Paseo de los Molinos, 12<br>03660 - NOVELDA (Alicante) SPAIN |                 | T/F: +34965075767<br>E: info@solarinnova.net<br>W: www.solarinnova.net |                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                     |                                                                                                                                      |                 |                                                                        |                             |
| PHOTOVOLTAIC MODULES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                     |                                                                                                                                      |                 |                                                                        |                             |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | BIPV-COLORED-PLASTERED                                                                                                                                                                                                                                              |                                                                                                                                      | Reference       | BIPV-CL-PL-05-M158-60                                                  | Type MONOCRYSTALLINE        |
| STANDARD GUARANTEES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                     |                                                                                                                                      |                 |                                                                        |                             |
| LINEAR PERFORMANCE WARRANTY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                     |                                                                                                                                      |                 |                                                                        |                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                     |                                                                                                                                      |                 |                                                                        |                             |
| Manufacturing defects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 12 years.                                                                                                                                                                                                                                                           |                                                                                                                                      |                 |                                                                        |                             |
| Performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 90 %                                                                                                                                                                                                                                                                | of rated power after                                                                                                                 |                 | 12                                                                     | years of operation,         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 80 %                                                                                                                                                                                                                                                                | of rated power after                                                                                                                 |                 | 25                                                                     | years of operation.         |
| Lifespan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | > 30 years.                                                                                                                                                                                                                                                         |                                                                                                                                      |                 |                                                                        |                             |
| ENVIRONMENTAL INFORMATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                     |                                                                                                                                      |                 |                                                                        |                             |
| Solar Hours Peak                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 6 day                                                                                                                                                                                                                                                               |                                                                                                                                      | kWh             | Coal                                                                   | Petrol/Gas Combined         |
| Irradiation rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1000 W/ m2                                                                                                                                                                                                                                                          |                                                                                                                                      |                 | 1                                                                      | 0,961 0,828 0,372 kg/CO2    |
| Energy generated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1,17 kWh/ day                                                                                                                                                                                                                                                       |                                                                                                                                      | Avoided         | day                                                                    | 1,13 0,97 0,44 kg/CO2       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 35 kWh/ month                                                                                                                                                                                                                                                       |                                                                                                                                      | CO2             | month                                                                  | 33,80 29,12 13,08 kg/CO2    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 428 kWh/ year                                                                                                                                                                                                                                                       |                                                                                                                                      | emissions       | year                                                                   | 411,23 354,32 159,19 kg/CO2 |
| CERTIFICATES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                     |                                                                                                                                      |                 |                                                                        |                             |
| ISO 9001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Quality management systems.                                                                                                                                                                                                                                         |                                                                                                                                      |                 |                                                                        |                             |
| ISO 14001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Environmental management systems.                                                                                                                                                                                                                                   |                                                                                                                                      |                 |                                                                        |                             |
| ISO 45001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Occupational health and safety management systems.                                                                                                                                                                                                                  |                                                                                                                                      |                 |                                                                        |                             |
| CE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Directive 2014/35/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits. |                                                                                                                                      |                 |                                                                        |                             |
| IEC/EN 61215                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Crystalline silicon terrestrial photovoltaic (PV) modules. Design qualification and type approval.                                                                                                                                                                  |                                                                                                                                      |                 |                                                                        |                             |
| IEC/EN 61730-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Photovoltaic (PV) module safety qualification - Part 1: Requirements for construction.                                                                                                                                                                              |                                                                                                                                      |                 |                                                                        |                             |
| IEC/EN 61730-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing.                                                                                                                                                                                   |                                                                                                                                      |                 |                                                                        |                             |
| IEC 63092-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Photovoltaics in buildings - Part 1: Requirements for building-integrated photovoltaic modules.                                                                                                                                                                     |                                                                                                                                      |                 |                                                                        |                             |
| UL 1703                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Standard for Flat-Plate Photovoltaic Modules and Panels.                                                                                                                                                                                                            |                                                                                                                                      |                 |                                                                        |                             |
| EN 13501                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests.                                                                                                                                 |                                                                                                                                      |                 |                                                                        |                             |
| EN 14449                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Glass in building - Laminated glass and laminated safety glass - Evaluation of conformity/Product standard.                                                                                                                                                         |                                                                                                                                      |                 |                                                                        |                             |
| EN 12543                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Glass in building - Laminated glass and laminated safety glass.                                                                                                                                                                                                     |                                                                                                                                      |                 |                                                                        |                             |
| EN 12600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Glass in building - Pendulum test - Impact test method and classification for flat glass.                                                                                                                                                                           |                                                                                                                                      |                 |                                                                        |                             |
| EN 50583                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Photovoltaics in buildings - Part 1: BIPV modules.                                                                                                                                                                                                                  |                                                                                                                                      |                 |                                                                        |                             |
|                                                                                                         |                                                                                                                                                                                                                                                                     |                                                                                                                                      |                 |                                                                        |                             |
| PACKING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                     |                                                                                                                                      |                 |                                                                        |                             |
| CONTAINER 20'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                     |                                                                                                                                      | CONTAINER 40'HQ |                                                                        |                             |
| PANELS X PALLET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PALLETS                                                                                                                                                                                                                                                             | TOTAL                                                                                                                                | PANELS X PALLET | PALLETS                                                                | TOTAL                       |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -                                                                                                                                                                                                                                                                   | -                                                                                                                                    | 26              | 22                                                                     | 572                         |
| IEC 62759-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Photovoltaic (PV) modules - Transportation testing - Part 1: Transportation and shipping of module package units.                                                                                                                                                   |                                                                                                                                      |                 |                                                                        |                             |
| EXPORT INFORMATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                     |                                                                                                                                      |                 |                                                                        |                             |
| HS Code                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 85.41.43.00                                                                                                                                                                                                                                                         |                                                                                                                                      | TARIC code      | 85.41.43.00                                                            |                             |
| REGISTER OF ELECTRICAL AND ELECTRONIC EQUIPMENT PRODUCERS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                     |                                                                                                                                      |                 |                                                                        |                             |
| WEEE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 7378                                                                                                                                                                                                                                                                |                                                                                                                                      | Entity          | ECOASIMELEC                                                            |                             |
| DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                     |                                                                                                                                      |                 |                                                                        |                             |
| Silicon cell photovoltaic solar module sc-Si, BIPV-Colored-Plastered series, for architectural integration, from the manufacturer SOLAR INNOVA, maximum power (Wp) 195 W, voltage at maximum power (Vmp) 34,44 V, current at maximum power (Imp) 5,67 A, open-circuit voltage (Voc) 40,64 V, short-circuit current (Isc) 6,01 A, efficiency 10,95 %, composed of 60 cells, front layer tempered glass thick 4 mm, encapsulant layers of cells of PVB, back layer of tempered glass thick 4 mm, junction box (diodes, cables 4 mm2, 900 mm and connectors MC4-T4), working temperature - 40 / + 85 °C, dimensions 1050 x 1700 x 10,23 mm, maximum wind load 15345 Pa, maximum snow load 15345 Pa, weight 40,74 kg. |                                                                                                                                                                                                                                                                     |                                                                                                                                      |                 |                                                                        |                             |
| COMMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                     |                                                                                                                                      |                 |                                                                        |                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                     |                                                                                                                                      |                 |                                                                        |                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                     |                                                                                                                                      |                 |                                                                        |                             |
| NOTICE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                     |                                                                                                                                      |                 |                                                                        |                             |
| The specifications and technical data may be subject to possible modifications without notice.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                     |                                                                                                                                      |                 |                                                                        |                             |
| This data sheet are conform to the requirements of the Standard EN 50380.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                     |                                                                                                                                      |                 |                                                                        |                             |
| Images for ilustration purposes only.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                     |                                                                                                                                      |                 |                                                                        |                             |
| Page                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                     |                                                                                                                                      |                 |                                                                        | 4/4                         |