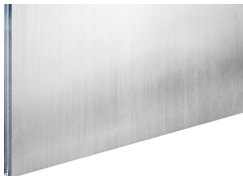
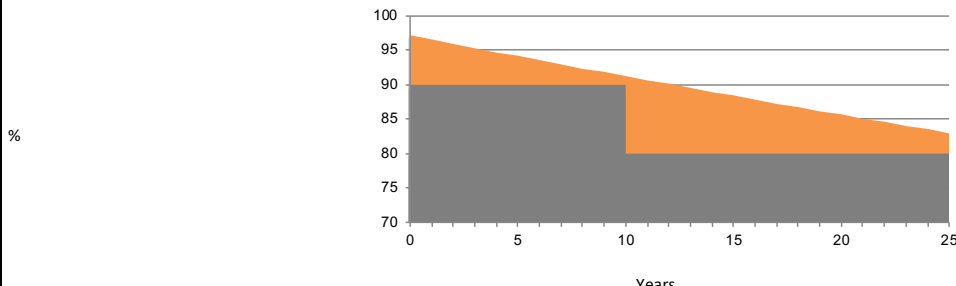


MANUFACTURER				
SOLAR INNOVA GREEN TECHNOLOGY, S.L. N.I.F.: ESB-54.627.278 Paseo de los Molinos, 12 03660 - NOVELDA (Alicante) SPAIN		T/F: +34965075767 E: info@solarinnova.net W: www.solarinnova.net		
PHOTOVOLTAIC MODULES				
Series	BIPV-COLORED-METALS	Reference	BIPV-CL-ME-01-M158-60	Type MONOCRYSTALLINE
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: ☑ High transmissivity. ☑ Low reflectivity. ☑ Low iron content.		
	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. Each cell is electrically rated to optimize the behavior of the module. 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).		
	ENCAPSULANT	The cell circuit is laminated using as encapsulant: ☑ PVB (Polivinil Butiral).		
	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). 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.		
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: ☑ Regular inspections allow us to guarantee the quality of the raw material. ☑ Quality control in the process of our manufacturing procedures. ☑ Quality control of finished products, we conduct through inspections and tests of reliability and performance.			
WARRANTIES	Our manufacturing plants have been prepared in accordance with: ☑ ISO 9001, in terms of Quality Systems and Business. ☑ ISO 14001, in terms of Environmental Management Systems. ☑ ISO 45001, in terms of Management Systems Health and Safety.			
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.			

Page1/4





MANUFACTURER					
		SOLAR INNOVA GREEN TECHNOLOGY, S.L. N.I.F.: ESB-54.627.278 Paseo de los Molinos, 12 03660 - NOVELDA (Alicante) SPAIN		T/F: +34965075767 E: info@solarinnova.net W: www.solarinnova.net	
					
PHOTOVOLTAIC MODULES					
Series	BIPV-COLORED-METALS		Reference	BIPV-CL-ME-01-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	0,98 kWh/ day		Avoided	day	0,94 0,81 0,36 kg/CO2
	29 kWh/ month		CO2	month	28,17 24,27 10,90 kg/CO2
	357 kWh/ year		emissions	year	342,70 295,27 132,66 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-Metals series, for architectural integration, from the manufacturer SOLAR INNOVA, maximum power (Wp) 162 W, voltage at maximum power (Vmp) 34,44 V, current at maximum power (Imp) 4,73 A, open-circuit voltage (Voc) 40,64 V, short-circuit current (Isc) 5,01 A, efficiency 9,12 %, 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