

BIPV Pergola Benimaclet School



2024

PV PANEL

SI-ESF-M-BIPV-CL-TR-M158-60

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- 4 mm tempered glass
- high-transparency
- 0.76 mm PVB layer
- 0.21 mm monocrystalline PV cells 158x158 mm
- 0.76 mm PVB layer
- 4 mm tempered glass

Composition:



Size: 1000x 1700 x 10 mm

Matrix: 6 x 10

Transparency: 10%



Panel Power: 319 Wp



Total Power: 34,452 Wp

Quantity: 108 pcs



Photovoltaic pergolas are an alternative way to transform materials that are normally used in construction to generate **shades**

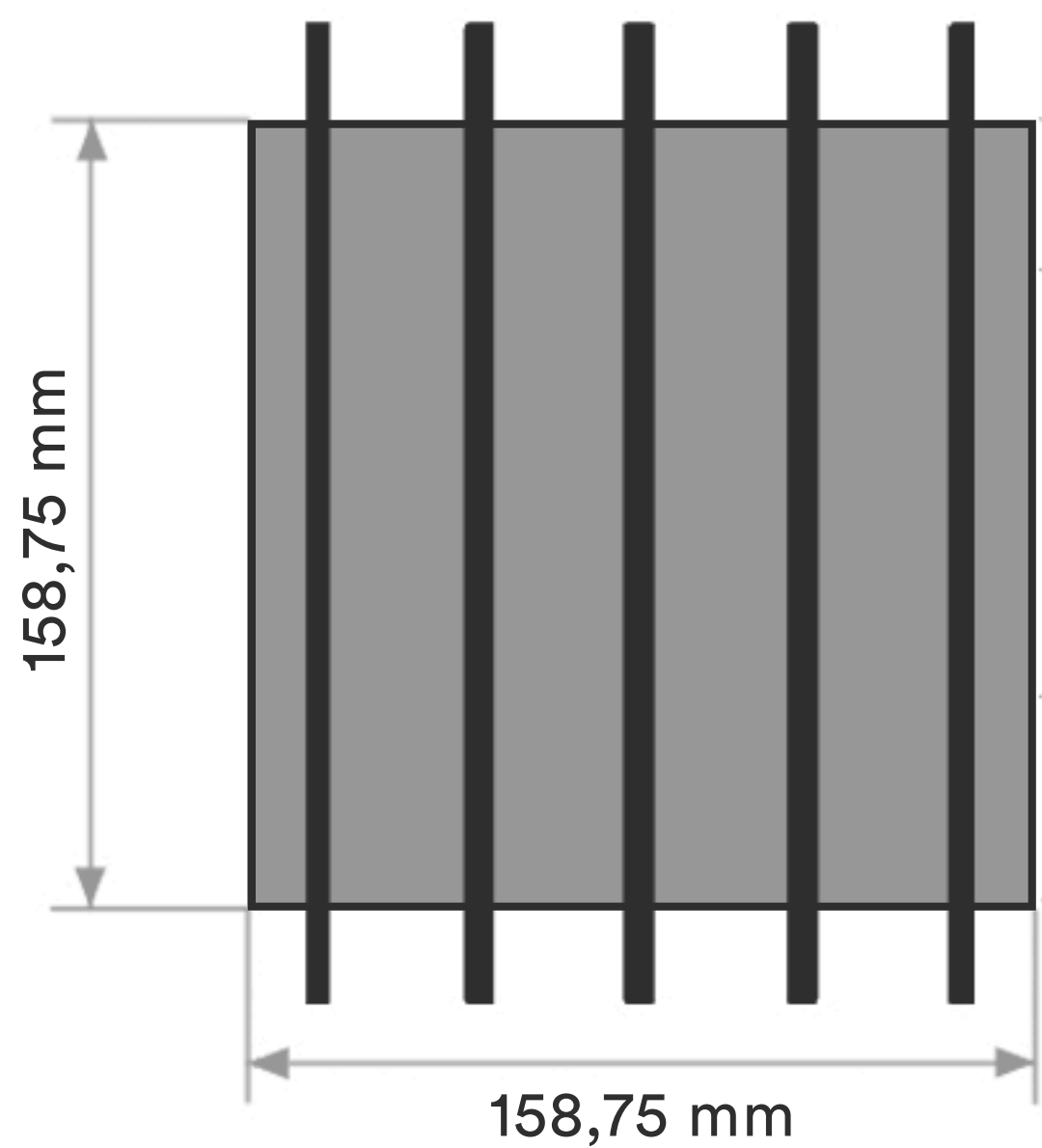
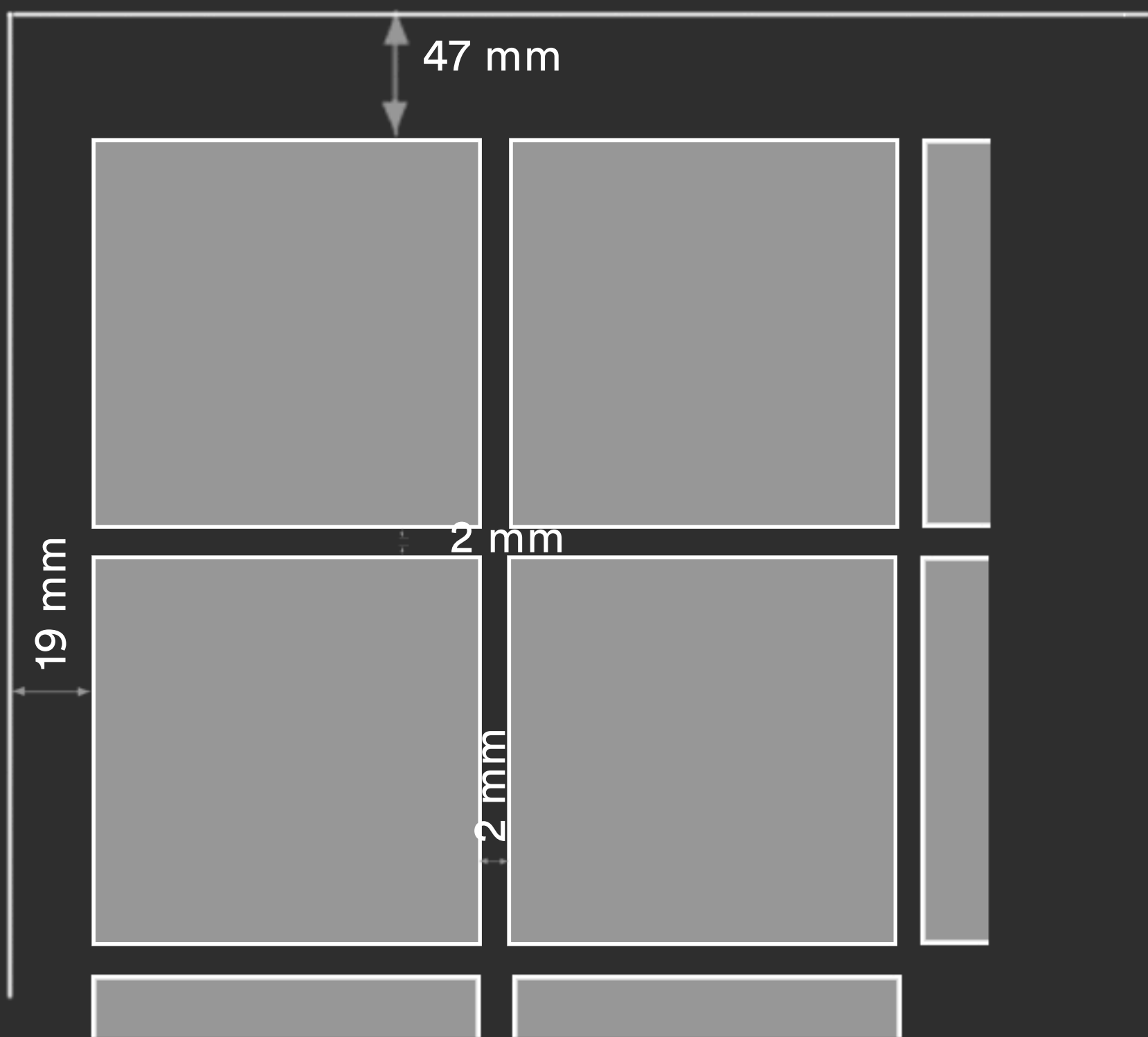


BIPV

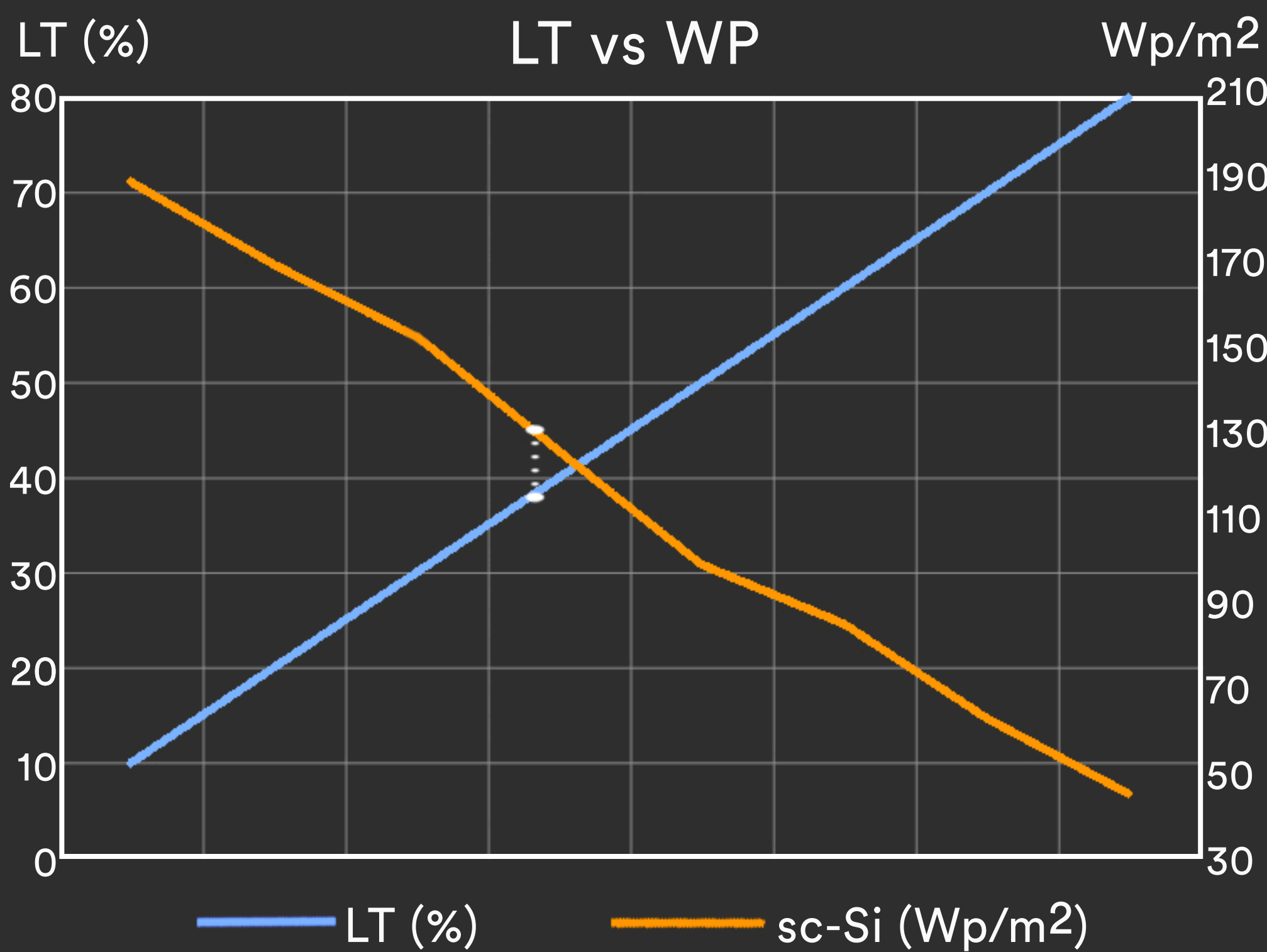
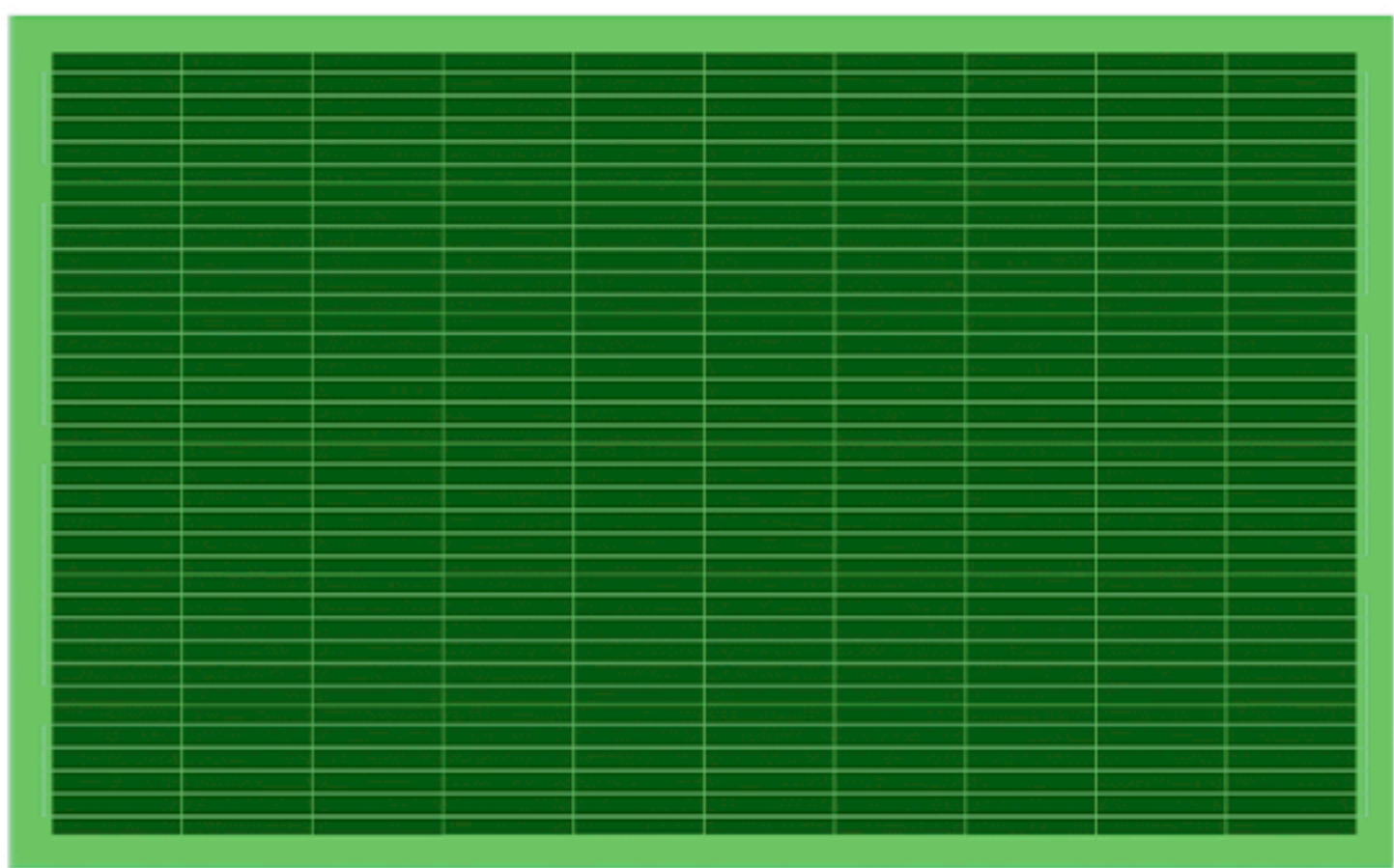
One of the great advantages of Solar Innova's architectural integration **photovoltaic** glasses is that they act as a filter for ultraviolet and infrared radiation, both harmful to health, in addition to generating clean and **free energy** thanks to the sun.



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- sc-Si PV
- 5bb connection
- high efficiency



- ✓ Raising awareness by betting on renewable energy
- ✓ Integration of renewable energy in urban environments
- ✓ Advantage of unused areas
- ✓ Amortization of economic investments

+ Energy + Saving - Outlay - CO₂

CE 2014/35/EU
EN 50583-1
EN 14449

ISO 9001
ISO 14001
ISO 45001

IEC IEC/EN 61215
IEC/EN 61730
IEC/EN 63092

nZEB Nearly
Zero Energy
Buildings

ISO 1064
GHG Protocol

WEEE
2002/96/EC

Fast Return Of
Investment
material

12/25 years
guarantee

Photovoltaic
Architecture

High
satisfaction

Custom
design and
production

Low
degradation