



MADE IN ITALY



# Monocrystalline Photovoltaic Module

## Transparent PV Integration

MPST



**Italian production plant**  
assembling with european components



**Ultra-robust module**  
40 mm frame thickness



**Customized production**  
All Black | Translucent

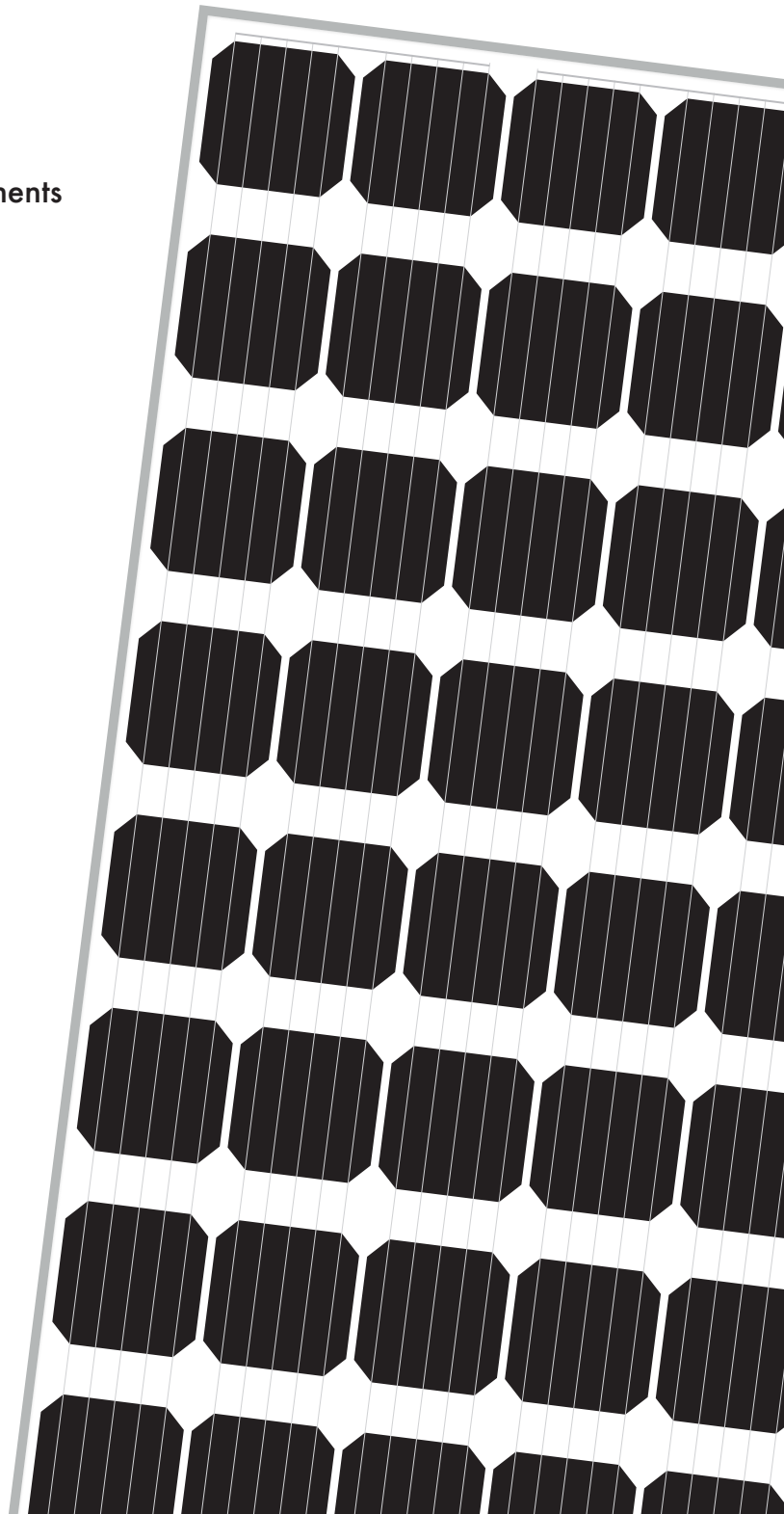


**Multibusbars** cell connection



**Staübli connectors**  
upon request

[www.solarday.it](http://www.solarday.it)

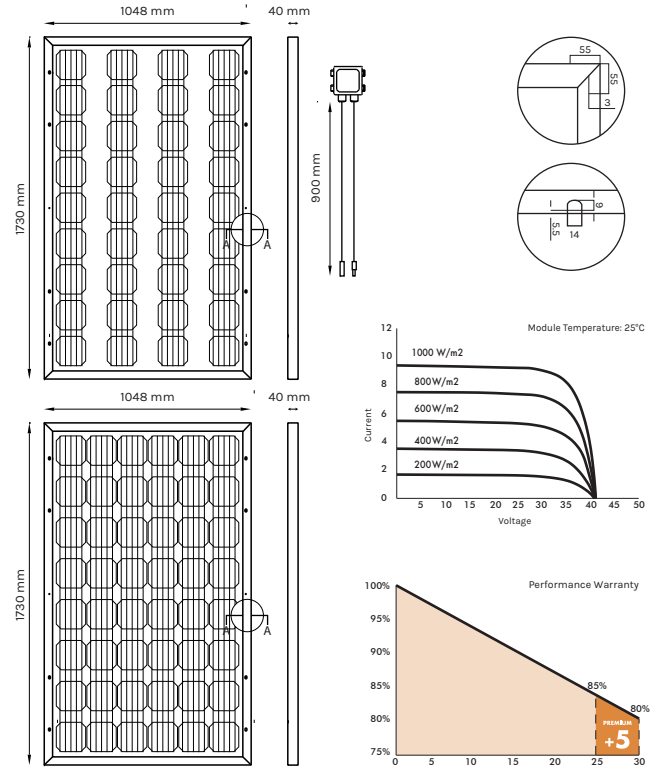


# Monocrystalline Photovoltaic Module Transparent PV Integration MPST



## TECHNICAL FEATURES

<b>Cells:</b>	36 (9x4) - 48 (8x6) Monocrystalline Silicon
<b>Available in:</b>	<b>M6</b>
<b>Frontal Glass:</b>	Glass with low iron content ARC - thickness 3,2 mm Frontal load (snow) 5400 Pa Back load (wind) 2400 Pa
<b>Encapsulant:</b>	EVA (Etilen Vinil Acetato)
<b>Backsheet:</b>	Translucent polymer sheet
<b>Frame:</b>	Black/Silver anodized aluminum 15 micron Grounding holes (For more information please contact our sales team)
<b>Junction Box:</b>	IP67/IP68 - 1500 V with 2/3 by pass diodes Cables length 900 mm Section: 4,0 mm <sup>2</sup> ± 1% tolerance
<b>Connectors:</b>	MC4 or compatible connector



## WEIGHT, DIMENSIONS AND PACKAGING

20 Kg | 1730 mm x 1048 mm x 40 mm | 27 pcs pallet | 756 pcs truck

## ELECTRICAL CHARACTERISTICS\*

	MPST36 210W	MPST48 280W
	<b>Transparency 46%</b>	<b>Transparency 28%</b>
<b>Peak power: Pmax (W)</b>	210	280
<b>Classification tolerance:</b>	0/+5 W	0/+5 W
<b>Voltage Pmax: Vmpp (V)</b>	21.02	26.74
<b>Current Pmax: Impp (A)</b>	10.00	10.49
<b>Open circuit voltage: Voc (V)</b>	29.37	39.17
<b>Short-circuit current: Isc (A)</b>	10.99	11.07
<b>Maximum system voltage: (V)</b>	1000	1500
<b>Maximum fuse rating: (A)</b>	15	15

\*STC values: 1000W/m<sup>2</sup>, AM 1.5, temperature 25°C. Measurement tolerance +/-3% (AAA Solar simulation - IEC 60.904-9).

## TEMPERATURE CHARACTERISTICS

<b>Temperature Coeff. of Voc:</b>	-0,28 % / °C
<b>Temperature Coeff. of Isc:</b>	+0,04 % / °C
<b>Temperature Coeff. of Pmax:</b>	-0,37 % / °C

## OPERATIVE CHARACTERISTICS

<b>Operating Temperature:</b>	from -40°C to +85°C
<b>Hailstorm Resistance:</b>	Ø 28 mm, 86 Kg/h
<b>NMOT*:</b>	45 ± 2°C

\*Nominal Module Operating Temperature: Irradiance 800W/m<sup>2</sup>, Temperature 20°C, Wind speed 1m/s

## WARRANTIES

**20 YEARS**  
Product Warranty

**25 YEARS**  
Linear Warranty

PREMIUM  
**+5**

## SOLARDAY CERTIFICATES

UNI 9177 Class 1 Fire Class | FIRE TEST MST23 CLASSE C  
IEC 62716:2013 | IEC 61701:2011  
ECOEM

UNI EN ISO 9001:2015  
UNI EN ISO 14001:2015  
UNI EN ISO 45001:2018  
CE

VKF  
SUNDAHUS  
BRGB  
MCS

Read the instruction manual for this product before proceeding with the installation. In light of continuous technical development, all information in this brochure may be modified by Solarday without notice.

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