



MADE IN EUROPE



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



5/9 Multibusbars cell connection



Staübli connectors
upon request



 **SundaHus**



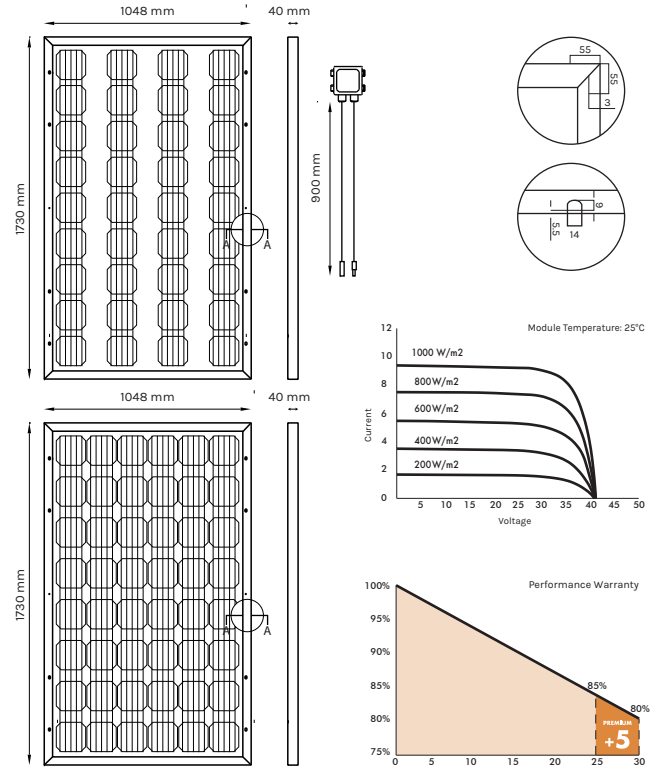
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Monocrystalline Photovoltaic Module Transparent PV Integration MPST



TECHNICAL FEATURES

Cells:	36 (9x4) - 48 (8x6) Monocrystalline Silicon
Available in:	M6
Frontal Glass:	Glass with low iron content - thickness 3,2 mm Capa ARC < 20000 cd/m2 Frontal load (snow) 5400 Pa - Back load (wind) 2400 Pa
Encapsulant:	EVA (Etilen Vinil Acetato)
Backsheet:	Translucent polymer sheet
Frame:	Black/Silver anodized aluminum 15 micron Grounding holes (For more information please contact our sales team)
Junction Box:	IP67/IP68 - 1500 V with 2/3 by pass diodes Cables length 900 mm Section: 4,0 mm2 ± 1% tolerance Fire Class 1 approval (UNI 9177)
Connectors:	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
	Transparency 46%	Transparency 28%
Peak power: Pmax (W)	210	280
Classification tolerance:	0/+5 W	0/+5 W
Voltage Pmax: Vmpp (V)	21.02	26.74
Current Pmax: Imp (A)	10.00	10.49
Open circuit voltage: Voc (V)	29.37	39.17
Short-circuit current: Isc (A)	10.99	11.07
Maximum system voltage: (V)	1000	1500
Maximum fuse rating: (A)	15	15

*STC values: 1000W/m2, AM 1.5, temperature 25°C. Measurement tolerance +/-3% (AAA Solar simulation - IEC 60.904-9).

TEMPERATURE CHARACTERISTICS

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

OPERATIVE CHARACTERISTICS

Operating Temperature:	from -40°C to +85°C
Hailstorm Resistance:	Ø 28 mm, 86 Kg/h
NMOT*:	43 ± 2 °C

*Nominal Module Operating Temperature: Irradiance 800W/m², 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

Read the instruction manual for this product before proceeding with the installation. All information in this brochure can be changed without notice by Solarday.

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