



MADE IN EUROPE



Polycrystalline Photovoltaic Module

Poly Classic 280 - 290 W

PX60



Italian production plant
assembling with european components



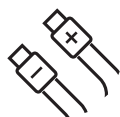
Ultra-robust module
40 mm frame thickness



Customized production
All Black | Translucent | Standard



Positive tolerance in our
modules with **0/+5 wp**



Staübli connectors
upon request



SundaHus



www.solarday.it

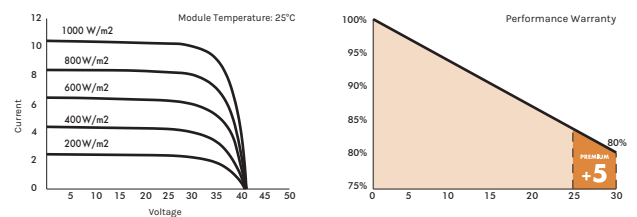
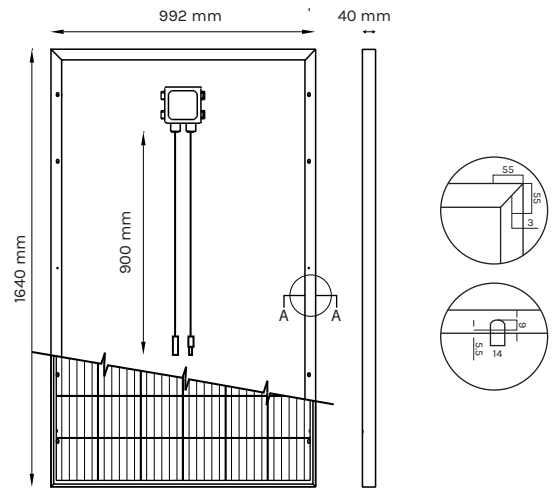
Polycrystalline Photovoltaic Module

Poly Classic 280 - 290 W PX60



TECHNICAL FEATURES

| | |
|-----------------------|---|
| Cells: | 60 (6x10) Polycrystalline Silicon |
| Available in: | M2 |
| 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: | Polymer sheet white |
| Frame: | Silver anodized aluminum 15 micron Grounding holes (For more information please contact our sales team) |
| Junction Box: | IP67/IP68 - 1500 V with 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

18 Kg | 1640 mm x 992 mm x 40 mm | 27 pcs pallet | 864 pcs truck

ELECTRICAL CHARACTERISTICS *

| | PX60 280W | PX60 285W | PX60 290W |
|---------------------------------------|--------------|--------------|--------------|
| Peak power: Pmax (W) | 280 | 285 | 290 |
| Classification tolerance: | 0/+5 W | 0/+5 W | 0/+5 W |
| Voltage Pmax: Vmpp (V) | 31.61 | 31.74 | 31.92 |
| Current Pmax: Impp (A) | 8.86 | 8.98 | 9.09 |
| Open circuit voltage: Voc (V) | 38.68 | 38.79 | 38.91 |
| Short-circuit current: Isc (A) | 9.35 | 9.46 | 9.55 |
| Maximum system voltage: (V) | 1500 | 1500 | 1500 |
| Module efficiency: (%) | 17.21 | 17.52 | 17.90 |
| Maximum fuse rating: (A) | 15 | 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: | -0,34 % / °C |
| Temperature Coeff. of Isc: | +0,04 % / °C |
| Temperature Coeff. of Pmax: | -0,43 % / °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

IEC 61215:2016 | EN 61730-1:2016 | EN 61730-2:2016
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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Specifications included in this datasheet are subject to change without notice.