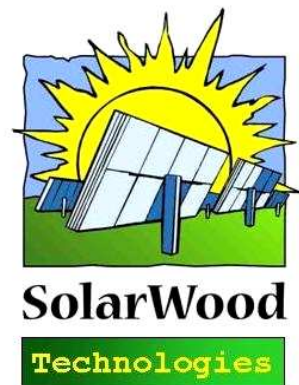


SolarWood Standard 4 poly



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The Standard 4 poly panel from SolarWood Technologies S. A. is a high-quality polycrystalline photovoltaic module. The manufacturing of the Standard 4 panels takes place by using high-power solar cells and 4 mm high-transmission solar glass. The application of these components guarantee a high efficiency and profitability of the actualised photovoltaic power plant. Furthermore, the resistant and solid aluminium frame reinforces the module even in cases of heavy snow and ice loads.

All panels of the SolarWood Standard series feature bypass diodes. The diodes minimise power loss in case of shading and protect the panel against hot spot effect.

SolarWood Standard 4 poly

Electrical performance at STC

		200	205	210	215	220	225	230
Maximum electrical power (+/-3%)	P_{max}	200 Wp	205 Wp	210 Wp	215 Wp	220 Wp	225 Wp	230 Wp
Short Circuit Current	I_{sc}	7,65 A	7,70 A	7,75 A	7,80 A	7,85 A	7,90 A	7,95 A
Open Circuit Voltage	V_{oc}	36,60 V	36,70 V	36,90 V	37,10 V	37,40 V	37,80 V	38,00 V
Rated Current	I_{mpp}	7,00 A	7,05 A	7,10 A	7,15 A	7,20 A	7,25 A	7,30 A
Rated Voltage	V_{mpp}	28,60 V	29,10 V	29,60 V	30,10 V	30,60 V	31,05 V	31,60 V

Performance at NOCT, AM 1,5, 800 W/m²

		200	205	210	215	220	225	230
Maximum electrical power	P_{max}	148 Wp	152 Wp	156 Wp	160 Wp	164 Wp	168 Wp	172 Wp
Short Circuit Current	I_{sc}	6,18 A	6,22 A	6,26 A	6,30 A	6,34 A	6,38 A	6,42 A
Open Circuit Voltage	V_{oc}	34,24 V	34,34 V	34,54 V	34,74 V	35,04 V	35,44 V	35,64 V
Rated Current	I_{mpp}	5,66 A	5,70 A	5,74 A	5,78 A	5,82 A	5,86 A	5,90 A
Rated Voltage	V_{mpp}	26,25 V	26,75 V	27,25 V	27,75 V	28,25 V	28,70 V	29,25 V

Thermal characteristics

NOCT	43
TC I_{sc}	0,06%/K
TC V_{oc}	-0,34 %/K
TC P_n	-0,46%/K

Build-in components

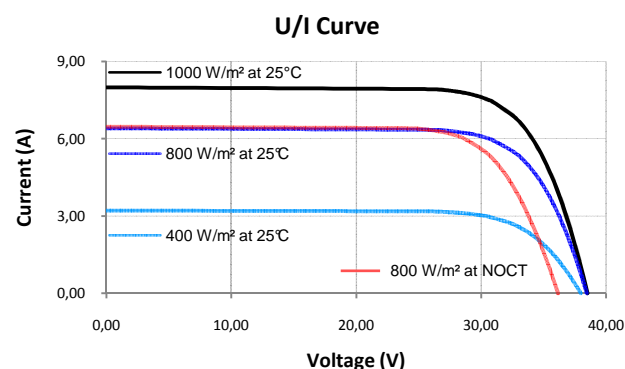
Cell type	Polycrystalline
Cells per Module	60
Cell dimensions	156 x 156 mm ²
Junction box	IP 65 with 3 bypass diodes
Glass	4 mm tempered glass
Frame	Anodised aluminium frame

Characteristic quantities for system integration

Maximum permissible system voltage	1000 V
Protection classification	Safety Class II
Efficiency reduction 1000 – 200 W/m ² (+/-3%)	96% at STC
Limiting reverse current	Do not apply external Voltages larger than V_{oc} to the module

General characteristics

Module weight	21,7 kg
Connection cables	MC 3 / MC 4



Certifications

IEC 61215
IEC 61730 (in progress)
CE

Warranty

10 years on 90 % of P_{max}
25 years on 80 % of P_{max}
5 years product guarantee

