

AMERISOLAR POLYCRYSTALLINE

Amerisolar, Worldwide Energy and Manufacturing USA Co., Ltd, is a professional solar module manufacturer with a 21-year experience in production and quality control, that produce solar modules into the range of 60 to 330 W, with production lines in Taiwan, South Korea and Portugal, and a total production capacity of 820 MW



Panel-Solar-Amersiolar

Amerisolar's photovoltaic modules are designed for large electrical power requirements. With a 30-year warranty, offers high-powered, reliable performance for both on-grid and off-grid solar projects.

Key Features

- High module conversion efficiency up to 17.01% through advanced manufacturing technology.
- Low degradation and excellent performance under high temperature and low light conditions.
- Robust aluminum frame ensures the modules to withstand wind loads up to 2400Pa and snow loads up to 5400Pa.
- Positive power tolerance of 0 / + 3 %.
- High ammonia and salt mist resistance.

Quality Certificates

- IEC61215, IEC61730, IEC62716, IEC61701, UL1703, CE, ETL, JET, J-PEC, MCS, CEC, FSEC, CSI Eligible, Israel Electric, Kemco, InMetro, TSE.
- ISO9001:2008: Quality management system
- ISO14001:2004: Environmental management system
- OHSAS18001:2007: Occupational health and safety management system

Special Warranties

- 12 year limited product warranty.
- Limited power warranty: 12 years 91.2 % of the nominal power output, 30 years 80.6% of the nominal power output

SPECIFICATIONS

	AS- 6P18- 150	AS- 6P30- 275	AS- 6P30- 280	AS- 6P- 320	AS- 6P- 330
Number of cells	36	60	60	72	72
Cell type	Polycrystalline 6"				
Maximum System voltage	1000 V				

Electrical specifications *

Nominal Power	Pmax	150 Wp	275 Wp	280 Wp	320 W	330 W
Power output tolerance		0/ +3%	0/ +3%	0/ +3%	0/ +3%	0/ +3%
Maximum power voltage	Vmpp	18,2 V	31,3 V	31,5 V	37,1 V	37,3 V
Open circuit voltage	Voc	22,4 V	38,5 V	38,6 V	45,7 V	45,9 V
Maximum power current	Impp	8,25 A	8,79 A	8,89 A	8,63 A	8,85 A
Short circuit current	Isc	8,70 A	9,20 A	9,31 A	9,04 A	9,26 A

Temperature Ratings

Open circuit voltage coefficient	Tk	-0,33	-0,31	-0,31	-0,31	-0,31
	Voc	% / °C	% / °C	% / °C	% / °C	% / °C
Short circuit current coefficient	Tk Isc	0,056	0,05	0,05	0,05	0,05
		% / °C	% / °C	% / °C	% / °C	% / °C
Operating temperature	NOCT	45 °C ±2 °C	45 °C ±2 °C	45 °C ±2 °C	45 °C ±2 °C	45 °C ±2 °C

Other specifications

Dimensions	1483 x 665 x 35 mm	1640 x 992 x 35 mm	1640 x 992 x 35 mm	1956 x 992 x 40 mm	1956 x 992 x 40 mm
	Weight	12 Kgr.	18 Kgr.	18 Kgr.	22,5 Kgr.
Connection box	IP67 - 3 diodes Junction box				
Cable	Cable 4 mm2 - 900 mm	Cable 4 mm2 - 900 mm	Cable 4 mm2 - 900 mm	Cable 4 mm2 - 1000 mm	Cable 4 mm2 - 1000 mm


Connector

MC4 or MC4 compatible

* Standard Test Conditions STC: (Air Mass AM1.5,
Irradiance 1000 W/m2, Cell temperature 25° C)

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CATÁLOGO GENERAL 2020

 [Catalogo-Bornay-0520.pdf](#) (27.76 MiB)
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