

AMERISOLAR MONOCRYSTALINE

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, AS-5M offers high-powered, reliable performance for both on-grid and off-grid solar projects.

Key Features

- High module conversion efficiency of 16,45% 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-5M-210
Number of cells	72
Cell type	Monocrystalline 5"
Maximum System Voltage	1000 V

Electrical specifications *

Nominal Power	Pmax	210 Wp
Power output tolerance		0 / +3%
Maximum power voltage	Vmpp	37,3 V
Open circuit voltage	Voc	45,6 V
Maximum power current	Imp	5,64 A
Short circuit current	Isc	5,90 A

Temperature Ratings

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


Other specifications

Dimensions	1580 x 808 x 35 mm
Weight	15,5 Kgr.
Connection box	IP67 - 3 diodes Junction box
Cable	Cable 4 mm ² - 900 mm
Connector	MC4 or MC4 compatible

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

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CATÁLOGO GENERAL BORNAY 14-15

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