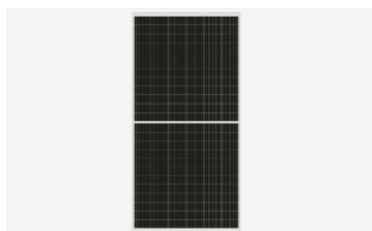


AS-6M144-HC MONO PERC

AmeriSolar is a solar modules manufacturer with production facilities in USA, China, Vietnam and Korea. Amerisolar solar panels have a 12 year warranty on the product and up to 30 years of guaranteed performance



Panel Solar AmeriSolar AS-6M-HC

ADVANCED PERFORMANCE & PROVEN ADVANTAGES

- High module conversion efficiency up to 21.27% by using innovative Half-cell design and Passivated Emmitter Rear Contact (PERC) technology.
- Low temperature coefficient 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.
- High reliability against extreme environmental conditions (passing salt mist, ammonia and hail tests).
- Potential induced degradation (PID) resistance.

CERTIFICATIONS

- IEC 61215, IEC 61730, UL 1703, IEC 62716, IEC 61701, IEC TS 62804, CE, CQC, ETL(USA), JET(Japan), J-PEC(Japan), KS(South Korea), BIS(India), MCS(UK), CEC(Australia), CSI Eligible(CA-USA), Israel Electric(Israel), InMetro(Brazil), TSE(Turkey)
- ISO 9001:2015: Quality management system
- ISO 14001:2015: Environmental management system
- ISO 45001:2018: Occupational health and safety management system

SPECIAL WARRANTY

- 12 years product warranty
- 30 years linear power output warranty

SPECIFICATIONS

AS-6M144-HC 445 W			
Number of cells		144 (6 x 24)	
Cell type		Monocrystalline - 166 x 83 mm	
Maximum system voltage		1000 Vdc	
Electrical Specifications *			
		STC *	NOCT **
Maximum power	Pmax	445 Wp	331 Wp
Power Tolerance		0~+3%	0~+3%
Maximum power voltage	Vmpp	41,60 V	37,80 V
Open circuit voltage	Voc	50,00 V	46,00 V
Maximum power current	Impp	10,70 A	8,76 A
Short circuit current	Isc	11,22 A	9,09 A
Module efficiency		20,36 %	
Temperature Ratings			
Open circuit voltage coefficient	Tk Voc	-0,28 % / °C	
Short circuit current coefficient	Tk Isc	0,05 % / °C	
Power coefficient	Tk W	-0,36 % / °C	
Nominal Operating Temperature	NOCT	43 °C ±2 °C	
Other specifications			
Dimmensions		2102 x 1040 x 35 mm	
Weight		24 Kgr	
Connection box		IP68 - 3 diodes Juction box	
Cable		Cable 4 mm2 - 300 mm	
Connector		MC4 or MC4 compatible	

* STC (Standard Test Conditions: 1000 W/m2, 25° C, AM 1,5)

** NOCT (Normal Operating Test Conditions: 800 W/m2, 20° C, Windspeed 1 m/s)

DOWNLOADS

CATÁLOGO / BROCHURE AS-6M144-HC

 [AS-6M144-HC-MODULE.pdf](#) Size: 2.84 MiB

CERTIFICADOS TUV AMERISOLAR

 [Amerisolar TUV Certification.pdf](#) Size: 1.57 MiB
