

PERC MONOCRYSTALLINE MODULE

395~400W

**30 YEARS
OF
WARRANTY**

**15
YEARS
IN MATERIALS
AND LABOR**



High Efficiency photovoltaic panel of 72 M3 cells of 5BB monocrystalline silicon that improves the performance of the module; PERC technology with which a greater capture of sunlight is achieved, generating more electricity and obtaining an improvement in production capacity. With 3.2 mm anti-reflective connection box with 3 bypass diodes and MC4 compatible connection



Dimensions 1980 x 1002 x 40mm

Weight 22kg



Automated process with 100% German technology



High performance efficient materials



Strict quality control, ISO 9001-2015 certified process



Resistant to degradation PID



Inspection of 100% electroluminescence that ensures crack-free product



Positive Power Tolerance



Supports systems up to 1,500 V, BOS cost savings system)



Higher power output



5BB technology

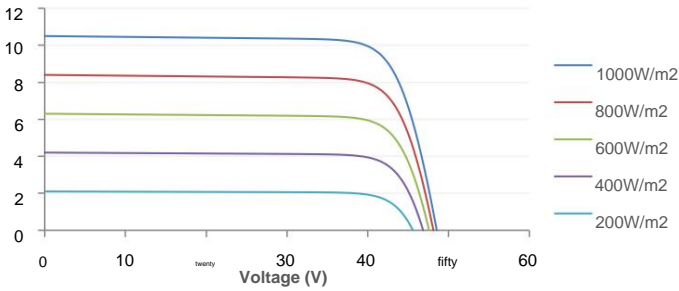
PERC MONOCRYSTALLINE MODULE

395W, 400W

OPERATING CHARACTERISTICS

Operating Temperature	-40°C ~ +85°C
Maximum System Voltage	1500V (IEC)
Fire resistance	CLASS C (IEC 61730)
Maximum Reverse Current	15A
Application class	A CLASS
Power Tolerance	0~+5W

IV CURVE



ELECTRICAL CHARACTERISTICS IN STANDARD CONDITIONS STC

Code		223877	223901
maximum power	Pmax (Wp)	395	400
Voltage at Maximum Power	Umpp (V)	41.5	41.6
Current at Maximum Power	Impp (A)	9.53	9.58
Open Circuit Voltage	Uoc (V)	49.2	49.3
Short Circuit Current	Isc (A)	10.31	10.39
Module Efficiency	η	19.9%	20.2%

*Standard Test Conditions(STC): 1000 W/m irradiance, spectrum²AM 1.5, cell temperature 25°C.
Measurement tolerance (Pmax, Voc, Isc): +/- 2%

ELECTRICAL CHARACTERISTICS IN NORMAL NOCT CONDITIONS

Code		223877	223901
maximum power	Pmax (Wp)	296	300
Voltage at Maximum Power	Umpp (V)	38.8	39.2
Current at Maximum Power	Impp (A)	7.65	7.68
Open Circuit Voltage	Uoc (V)	46.4	46.7
Short Circuit Current	Isc (A)	8.36	8.42

m2, spectrum AM 1.5, ambient temperature 20°C, cell temperature at NOCT, wind speed 1m /s.

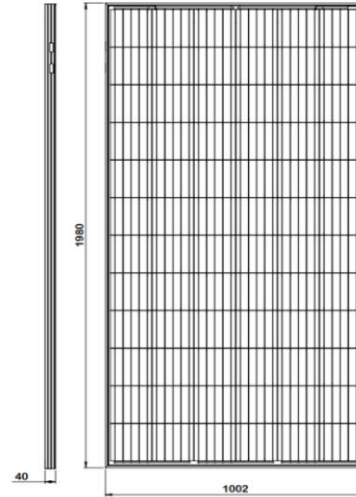
Measurement tolerance (Pmax, Voc, Isc): +/- 3%

STANDARDS

IEC 61215 / IEC 61730
UL 61730
ISO 9001:2015 / Quality Management System



MODULE DIMENSIONS (mm)



MECHANICAL CHARACTERISTICS Cells

Cells 60 monocrystalline silicon PERC cells, M3
Cell Array 6 x 10 Array
Dimensions 1665 x 992 x 35mm
Weight 18kg
Front 3.2 mm tempered glass, anti-reflective.
Back White multilayer foil
Natural anodized aluminum frame
*Standard Test Conditions (STC): Irradiance 1000 W/m², spectrum AM 1.5, cell temperature 25°C.
Connection box IP68, UL, TUV, with 3 bypass diodes
Measurement tolerance (Pmax, Voc, Isc): +/- 2% Connector MC4 compatible, weather resistant
1x4mm² section cables (12 AWG), 1000 mm long
Pallet 25 modules, 486Kg
ELECTRICAL CHARACTERISTICS IN NORMAL CONDITIONS NOCT Container (40' HQ) 300 modules

TEMPERATURE COEFFICIENTS

Isc temperature coefficient	+0.04% / °C
Voc temperature coefficient	-0.29% / °C
Pmax temperature coefficient	-0.37% / °C

WARRANTY

Product guarantee: 15 years in materials and workmanship.
Linear power guarantee: 25 years.

