

## Mono PERC Solar Module

295W/ 300W/305W/310W



High Module Conversion Efficiencies



Easy Installation and Handling for Various Applications



Mechanical Load Capability of up to 5400 Pa



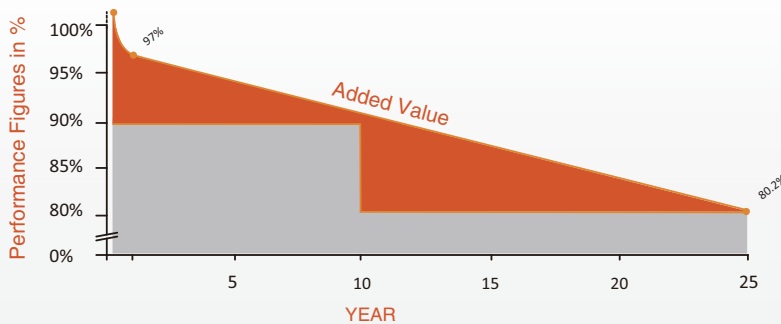
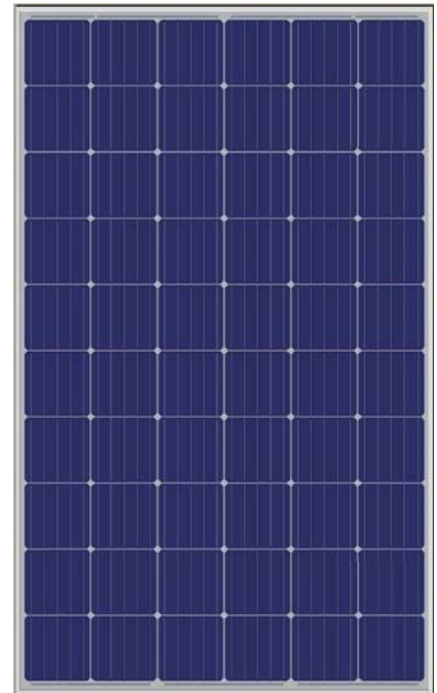
Conforms with IEC 61215:2005,  
IEC 61730:2004, UL 1703 PV Standards



ISO9001, OHSAS18001, ISO14001 Certified



Application Class A, Safety Class II, Fire Rating C

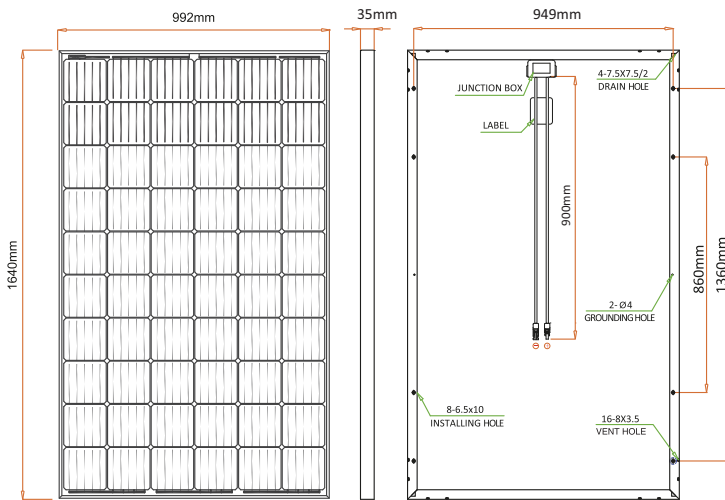


**10-year**  
material & workmanship

**25-year**  
linear power output

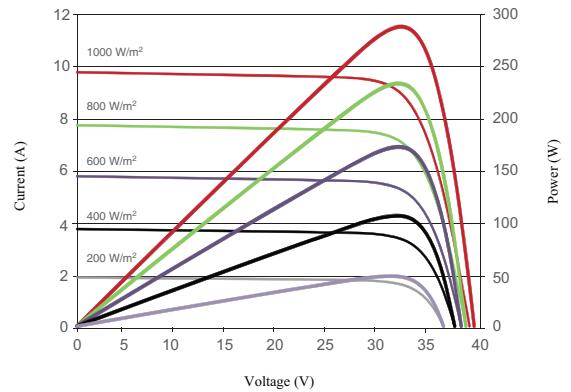


#### Dimensions



Drawing Only for Reference

#### I-V Curves



#### Electrical Characteristics STC

Electrical Characteristics STC	JC295S-24/Bbw	JC300S-24/Bbw	JC305S-24/Bbw	JC310S-24/Bbw
Maximum Power (Pmax)	295 W	300 W	305 W	310 W
Power Tolerance	0 ~ +5W	0 ~ +5W	0 ~ +5W	0 ~ +5W
Module Efficiency	18.14%	18.45%	18.75%	19.07%
Maximum Power Current (Imp)	9.08 A	9.18 A	9.30 A	9.43 A
Maximum Power Voltage (Vmp)	32.5 V	32.7 V	32.8 V	32.9 V
Short Circuit Current (Isc)	9.64 A	9.76 A	9.85 A	9.97 A
Open Circuit Voltage (Voc)	39.6 V	39.7 V	39.8 V	39.9 V

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

#### Electrical Characteristics NOCT

Electrical Characteristics NOCT	JC295S-24/Bbw	JC300S-24/Bbw	JC305S-24/Bbw	JC310S-24/Bbw
Maximum Power (Pmax)	218 W	222 W	226 W	230 W
Maximum Power Current (Imp)	7.27 A	7.36 A	7.46 A	7.57 A
Maximum Power Voltage (Vmp)	30.0 V	30.2 V	30.3 V	30.4 V
Short Circuit Current (Isc)	7.87 A	7.98 A	8.10 A	8.20 A
Open Circuit Voltage (Voc)	36.7 V	36.8 V	36.9 V	37.0 V

Values at Normal Operating Cell Temperature, Irradiance of 800W/m², AM1.5, Ambient Temperature 20°C, wind speed 1m/s.

#### Mechanical Characteristics

Cell Type	157x157(±1) mm , Mono PERC , 60 (6x10) pcs in series
Glass	High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated, With Bypass Diodes
Dimension	*1640 x 992 x 35 mm
Output Cable	4 mm² (EU)/12 AWG (US), 900 mm
Weight	19 kg
Installation Hole Location	See Drawing Above

#### Characteristics

Temperature Coefficient of Voc	-0.31%/°C
Temperature Coefficient of Isc	0.03%/°C
Temperature Coefficient of Pmax	-0.43%/°C
Nominal Operating Cell Temperature (NOCT)	45°C±2°C

#### Packing Information

Container	20' GP	40' GP	40' HQ
Pallets per Container	12	28	28
Pieces per Container	360	840	910

#### Maximum Ratings

Operating Temperature	-40°C ~ +85°C
Maximum System Voltage	1000VDC
Maximum Series Fuse Rating	20A

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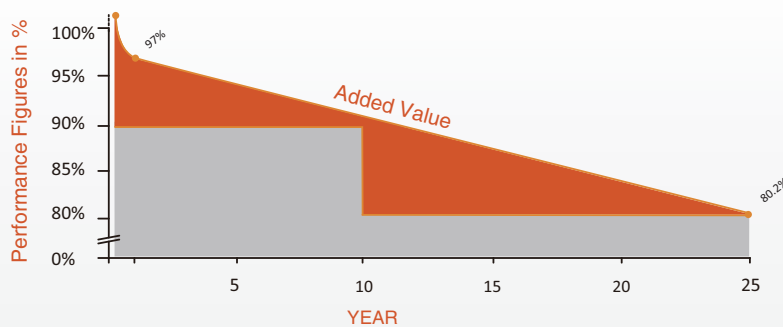
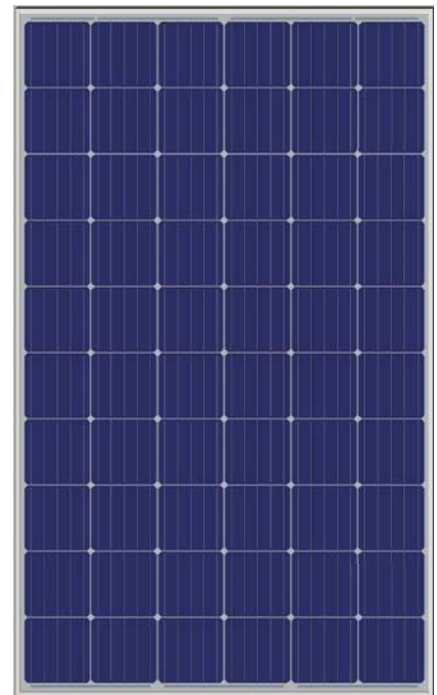
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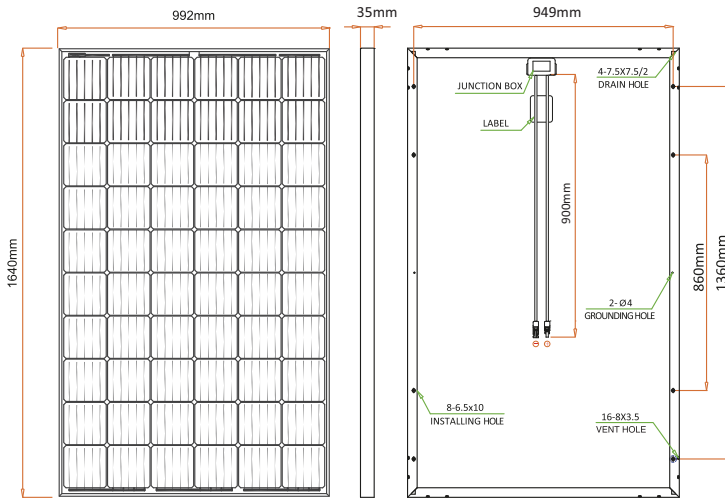


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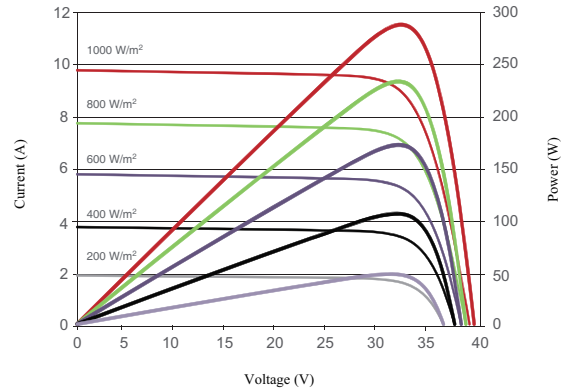


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