

# ReneSola

# TwinPower

## TwinPower Half-Cut Module

265W/270W/275W/280W/285W



Efficiency

High Module Conversion Efficiencies



Easy & Quick

Easy Installation and Handling for Various Applications



- 2400Pa -  
- 5400Pa -

Mechanical Load Capability of up to 5400 Pa



IEC & PID

Conforms with IEC 61215:2005,  
IEC 61730:2004, PID Test



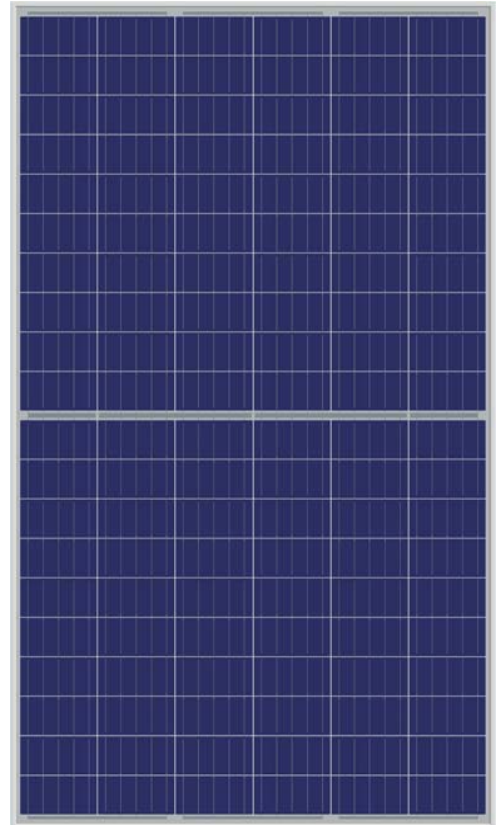
Certification

ISO9001, OHSAS18001, ISO14001 Certified

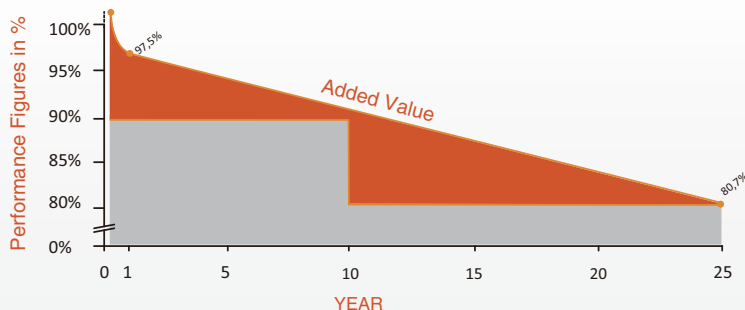


Safety & Fire

Application Class A, Safety Class II, Fire Rating C



Drawing Only for Reference



10-year

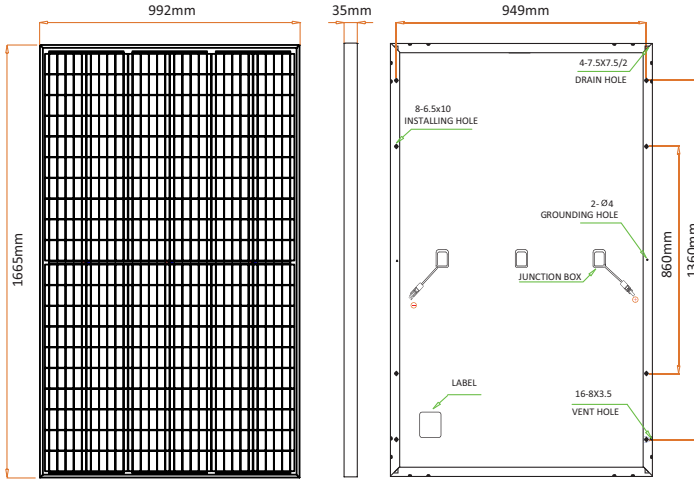
Material & Workmanship

25-year

Linear Power Output

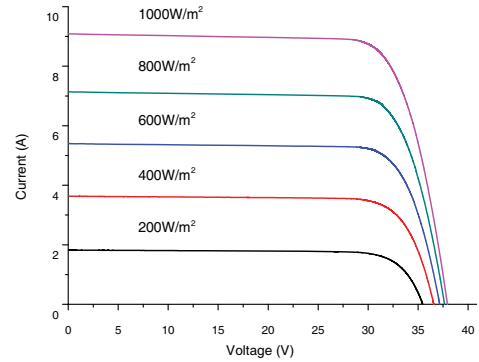


#### Dimensions



Drawing Only for Reference

#### I-V Curves



#### Electrical Characteristics STC

	JC265M-Bbc	JC270M-Bbc	JC275M-Bbc	JC280M-Bbc	JC285M-Bbc
Maximum Power (Pmax)	265 W	270 W	275 W	280 W	285 W
Power Tolerance	0 ~ +5W	0 ~ +5W	0 ~ +5W	0 ~ +5W	0 ~ +5W
Module Efficiency	16.0%	16.3%	16.7%	17.0%	17.3%
Maximum Power Current (Imp)	8.48A	8.58 A	8.71 A	8.84 A	8.94A
Maximum Power Voltage (Vmp)	31.3V	31.5 V	31.6 V	31.7 V	31.9 V
Short Circuit Current (Isc)	8.91 A	9.02 A	9.14 A	9.25 A	9.37 A
Open Circuit Voltage (Voc)	37.5 V	37.7 V	37.9 V	38.0 V	38.2 V

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

#### Electrical Characteristics NOCT

	JC265M-Bbc	JC270M-Bbc	JC275M-Bbc	JC280M-Bbc	JC285M-Bbc
Maximum Power (Pmax)	198 W	202 W	204 W	207 W	211 W
Maximum Power Current (Imp)	6.87 A	6.97 A	7.02 A	7.09 A	7.21 A
Maximum Power Voltage (Vmp)	28.9 V	29.0 V	29.1 V	29.2 V	29.3 V
Short Circuit Current (Isc)	7.28 A	7.39 A	7.46 A	7.54 A	7.66 A
Open Circuit Voltage (Voc)	36.0 V	36.1 V	36.1 V	36.2 V	36.3 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	Polycrystalline, 156 x78 mm, 120 (6x20) Half-Cut Cells
Glass	High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP67 Rated, With Bypass Diodes
Dimension	*1665 x 992 x 35 mm
Output Cable	4 mm² (EU), 500 mm
Weight	19.5 kg
Installation Hole Location	See Drawing Above

#### Characteristics

Temperature Coefficient of Voc	-0.30%/°C
Temperature Coefficient of Isc	0.04%/°C
Temperature Coefficient of Pmax	-0.40%/°C
Nominal Operating Cell Temperature (NOCT)	45°C±2°C

#### Packing Information

	20' GP	40' GP	40' HQ
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