

ReneSola

Twin1.0

Mono Half-Cut Module

310W/315W/320W/325W/330W



High Module Conversion Efficiencies



Easy Installation and Handling for Various Applications



Mechanical Load Capability of up to 5400 Pa



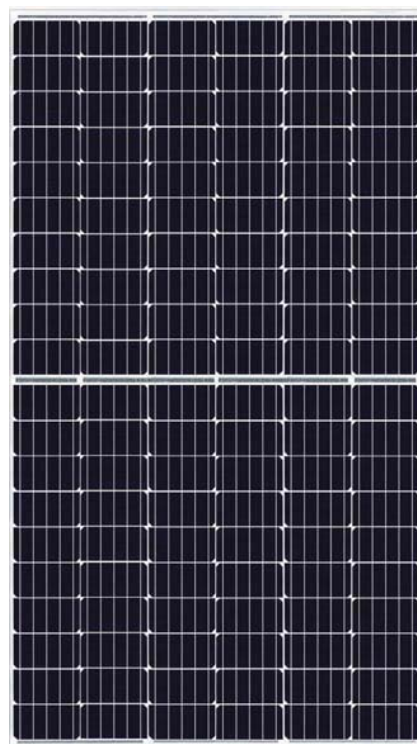
Conforms with IEC 61215:2005,
IEC 61730:2004, PID Test



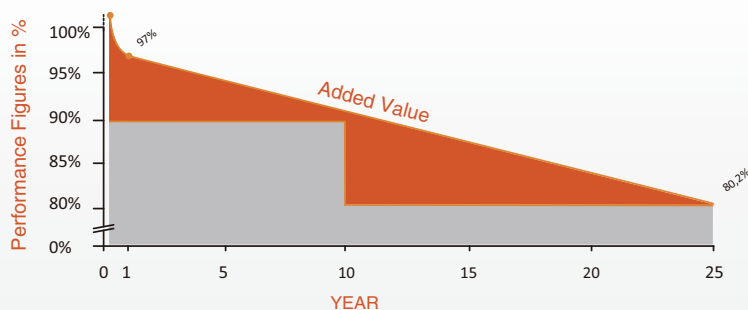
ISO9001, OHSAS18001, ISO14001 Certified



Application Class A, Safety Class II, Fire Rating C



Drawing Only for Reference



10-year

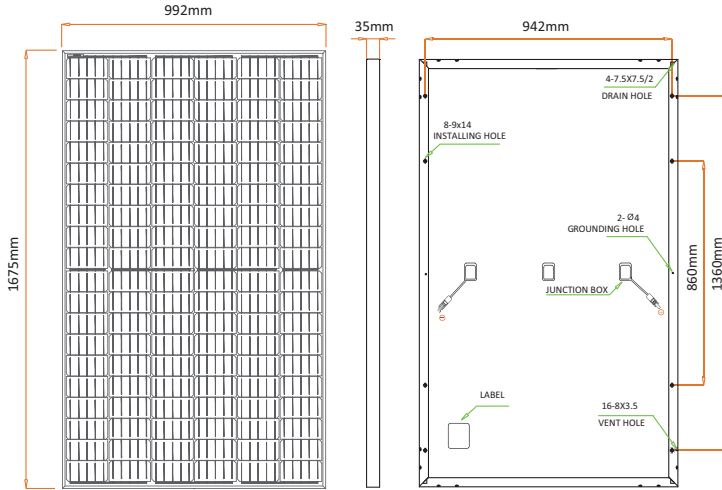
Material & Workmanship

25-year

Linear Power Output

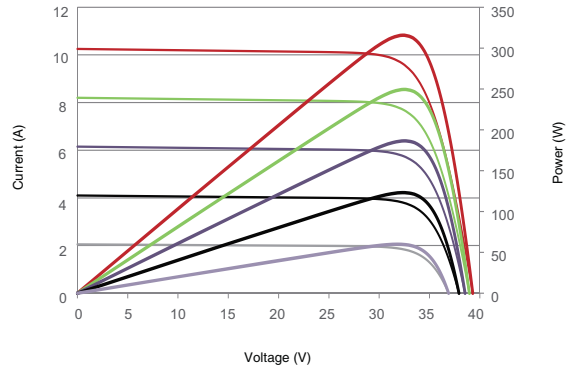


Dimensions



Drawing Only for Reference

I-V Curves



Electrical Characteristics STC

Electrical Characteristics STC	JC310S-Bbc	JC315S-Bbc	JC320S-Bbc	JC325S-Bbc	JC330S-Bbc
Maximum Power (Pmax)	310 W	315 W	320 W	325 W	330 W
Power Tolerance	0 ~ +5W	0 ~ +5W	0 ~ +5W	0 ~ +5W	0 ~ +5W
Module Efficiency	18.66%	18.96%	19.26%	19.56%	19.86%
Maximum Power Current (Imp)	9.40 A	9.49 A	9.60 A	9.68 A	9.77 A
Maximum Power Voltage (Vmp)	33.0 V	33.2 V	33.4 V	33.6 V	33.8 V
Short Circuit Current (Isc)	9.96 A	10.01 A	10.07 A	10.14 A	10.19 A
Open Circuit Voltage (Voc)	39.8 V	40.0 V	40.2 V	40.4 V	40.6 V

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

Electrical Characteristics NOCT

Electrical Characteristics NOCT	JC310S-Bbc	JC315S-Bbc	JC320S-Bbc	JC325S-Bbc	JC330S-Bbc
Maximum Power (Pmax)	230 W	234 W	237 W	240 W	241 W
Maximum Power Current (Imp)	7.54 A	7.62 A	7.68 A	7.71 A	7.76 A
Maximum Power Voltage (Vmp)	30.5 V	30.7 V	30.9 V	31.1 V	31.3 V
Short Circuit Current (Isc)	8.01 A	8.08 A	8.13 A	8.16 A	8.19 A
Open Circuit Voltage (Voc)	37.3 V	37.5 V	37.7 V	37.9 V	38.1 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	Mono P-Type , 157 x78.5 (±1) mm, 120 (6x20) Half-Cut Cells
Glass	High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated, With Bypass Diodes
Dimension	*1675 x 992 x 35 mm
Output Cable	4 mm ² (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	0.05%/°C
Temperature Coefficient of Pmax	-0.37%/°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

ReneSola

Twin1.0

Mono Half-Cut Module

310W/315W/320W/325W/330W



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, PID Test



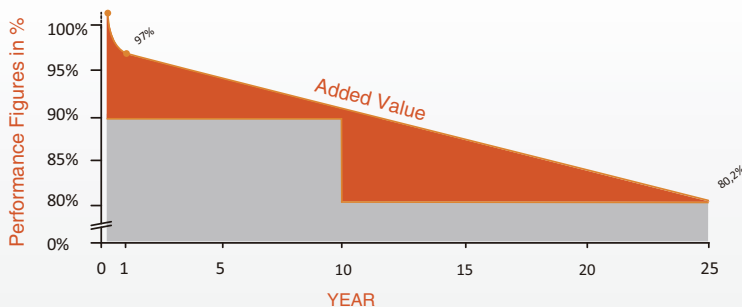
ISO9001, OHSAS18001, ISO14001 Certified



Application Class A, Safety Class II, Fire Rating C



Drawing Only for Reference

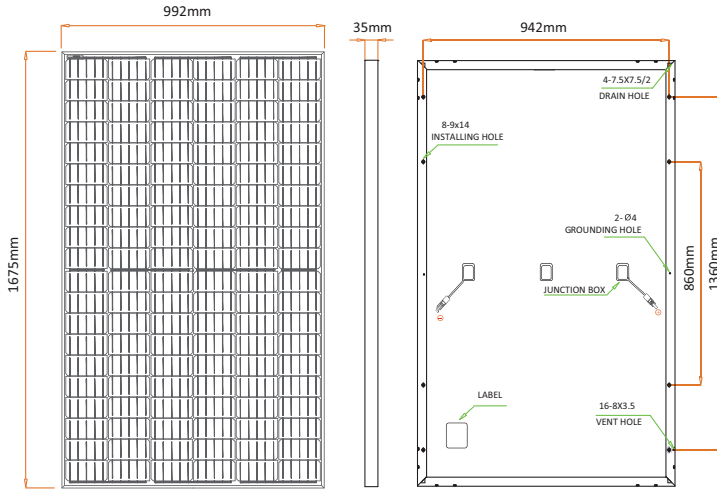


10-year
Material & Workmanship

25-year
Linear Power Output

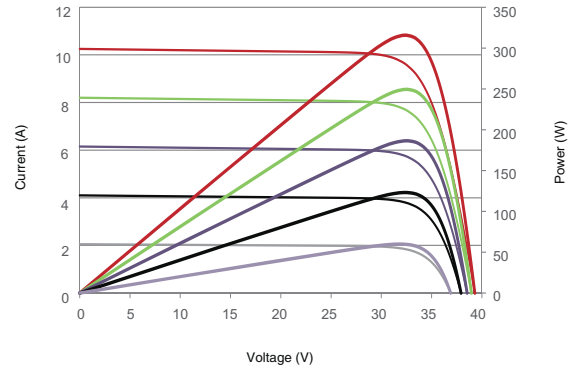


Dimensions



Drawing Only for Reference

I-V Curves



Electrical Characteristics STC	JC310S-Bbcp	JC315S-Bbcp	JC320S-Bbcp	JC325S-Bbcp	JC330S-Bbcp
Maximum Power (Pmax)	310 W	315 W	320 W	325 W	330 W
Power Tolerance	0 ~ +5W	0 ~ +5W	0 ~ +5W	0 ~ +5W	0 ~ +5W
Module Efficiency	18.66%	18.96%	19.26%	19.56%	19.86%
Maximum Power Current (Imp)	9.40 A	9.49 A	9.60 A	9.68 A	9.77 A
Maximum Power Voltage (Vmp)	33.0 V	33.2 V	33.4 V	33.6 V	33.8 V
Short Circuit Current (Isc)	9.96 A	10.01 A	10.07 A	10.14 A	10.19 A
Open Circuit Voltage (Voc)	39.8 V	40.0 V	40.2 V	40.4 V	40.6 V

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

Electrical Characteristics NOCT	JC310S-Bbcp	JC315S-Bbcp	JC320S-Bbcp	JC325S-Bbcp	JC330S-Bbcp
Maximum Power (Pmax)	230 W	234 W	237 W	240 W	241 W
Maximum Power Current (Imp)	7.54 A	7.62 A	7.68 A	7.71 A	7.76 A
Maximum Power Voltage (Vmp)	30.5 V	30.7 V	30.9 V	31.1 V	31.3 V
Short Circuit Current (Isc)	8.01 A	8.08 A	8.13 A	8.16 A	8.19 A
Open Circuit Voltage (Voc)	37.3 V	37.5 V	37.7 V	37.9 V	38.1 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	Mono P-Type , 157 x78.5 (±1) mm, 120 (6x20) Half-Cut Cells
Glass	High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated, With Bypass Diodes
Dimension	*1675 x 992 x 35 mm
Output Cable	4 mm ² (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	0.05%/°C
Temperature Coefficient of Pmax	-0.37%/°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	1500VDC
Maximum Series Fuse Rating	20A