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EnergyPal

Solar Panel Guide Specification Data Sheet

**ReneSola Ltd.
Twin1.0 Mono 370-390
JC385S-Abc**

Also available on the web at
EnergyPal.com/renesola-ltd-solar-panels/jc385s-abc

ReneSola

Twin1.0

Mono Half-Cut Module

370W/375W/380W/385W/390W



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



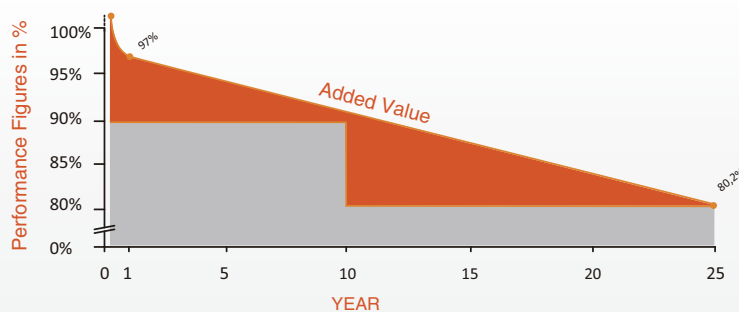
ISO9001, OHSAS18001, ISO14001 Certified



Application Class A, Safety Class II, Fire Rating C



Drawing Only for Reference

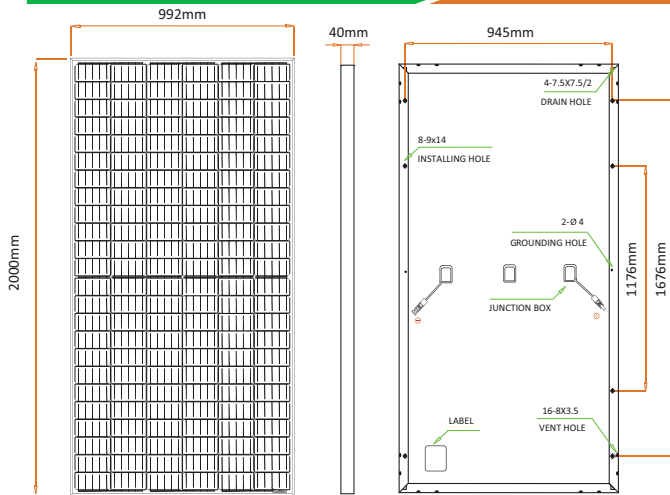


10-year
Material & Workmanship

25-year
Linear Power Output

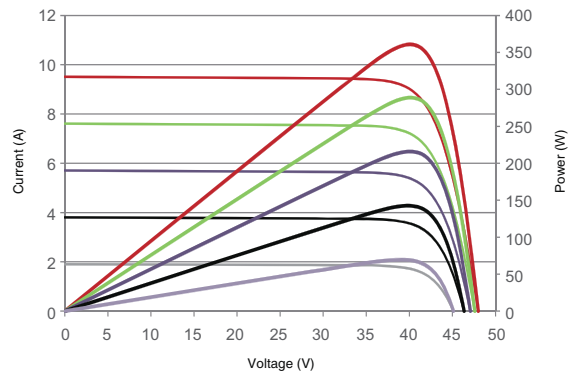


Dimensions



Drawing Only for Reference

I-V Curves



Electrical Characteristics STC

Electrical Characteristics STC	JC370S-Abc	JC375S-Abc	JC380S-Abc	JC385S-Abc	JC390S-Abc
Maximum Power (Pmax)	370 W	375 W	380 W	385 W	390 W
Power Tolerance	0 ~ +5W	0 ~ +5W	0 ~ +5W	0 ~ +5W	0 ~ +5W
Module Efficiency	18.65%	18.90%	19.15%	19.41%	19.66%
Maximum Power Current (Imp)	9.32 A	9.40 A	9.48 A	9.56 A	9.63 A
Maximum Power Voltage (Vmp)	39.7 V	39.9 V	40.1 V	40.3 V	40.5V
Short Circuit Current (Isc)	9.82 A	9.90 A	9.98 A	10.06 A	10.13 A
Open Circuit Voltage (Voc)	47.5 V	47.7 V	47.9 V	48.1V	48.3 V

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

Electrical Characteristics NOCT

Electrical Characteristics NOCT	JC370S-Abc	JC375S-Abc	JC380S-Abc	JC385S-Abc	JC390S-Abc
Maximum Power (Pmax)	275 W	279 W	282 W	286 W	289 W
Maximum Power Current (Imp)	7.49 A	7.56 A	7.61 A	7.66 A	7.71 A
Maximum Power Voltage (Vmp)	36.7 V	36.9 V	37.1 V	37.3 V	37.5 V
Short Circuit Current (Isc)	7.91 A	7.99 A	8.03 A	8.08 A	8.13 A
Open Circuit Voltage (Voc)	44.5 V	44.7 V	44.9 V	45.1 V	45.3 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	Mono P-Type , 157 x78.5 (±1)mm, 144 (6x24) Half-Cut Cells
Glass	High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated, With Bypass Diodes
Dimension	*2000 x 992 x 40 mm
Output Cable	4 mm ² (EU), 650mm
Weight	23.5 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	10	22	22
Pieces per Container	270	594	649

Maximum Ratings

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

ReneSola

Twin1.0

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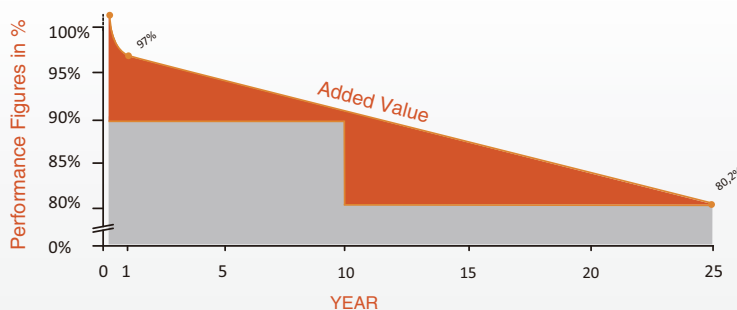
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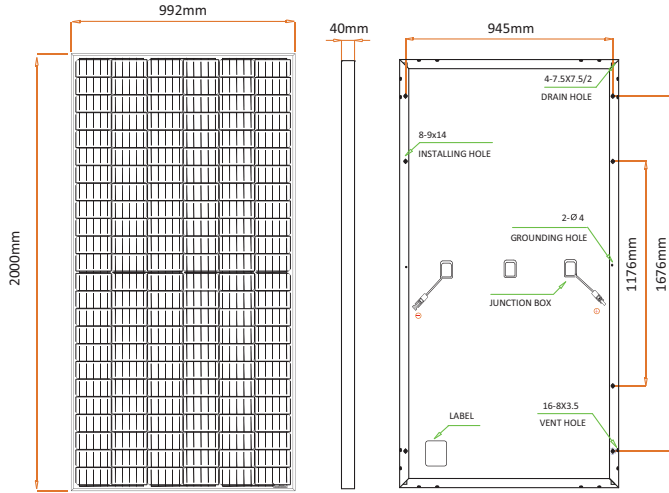


10-year
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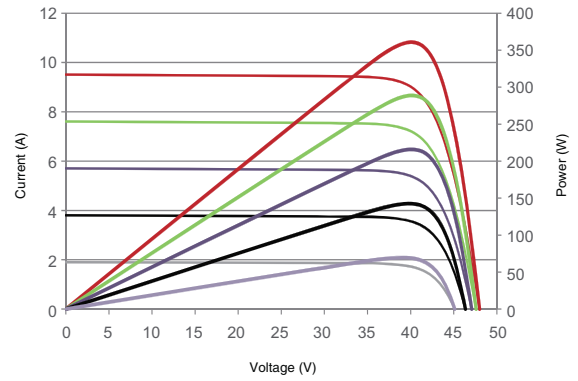


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Output Cable	4 mm ² (EU), 650mm
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Pallets per Container	10	22	22
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Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	20A