

ReneSola

Twin 2.0

Mono Half-Cut Module

430W/435W/440W/445W/450W



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 &

**Conforms with IEC 61215:2016,
IEC 61730:2016,
UL 61730 PV Standards, PID Test**



Certification

ISO9001, OHSAS18001, ISO14001 Certified

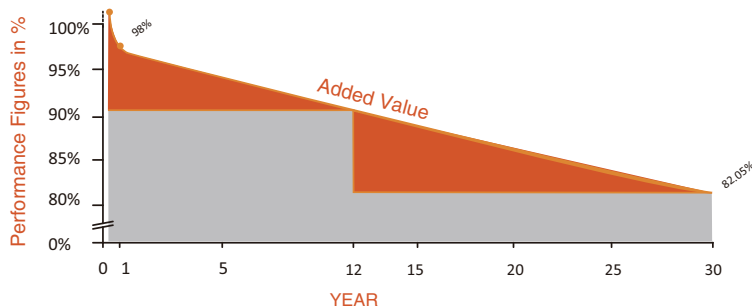


Safety & Fire

Application Class A, Safety Class II, Fire Rating C(IEC) or Type 1(US)



Also applicable for module with black frame & backsheet



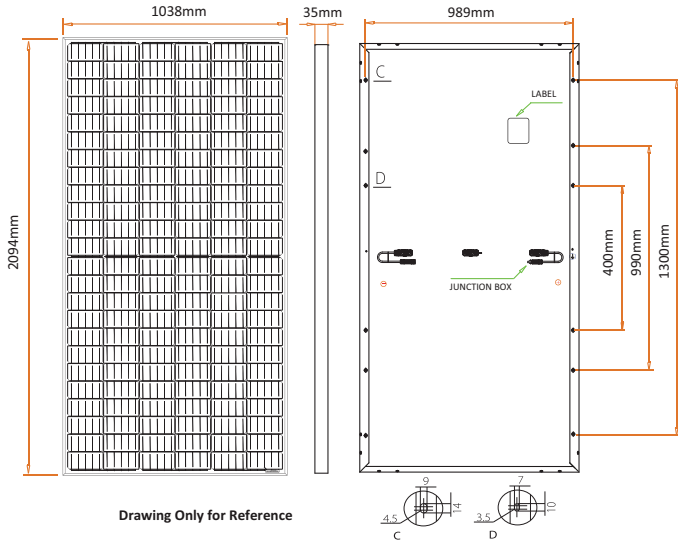
12-year

Material & Workmanship

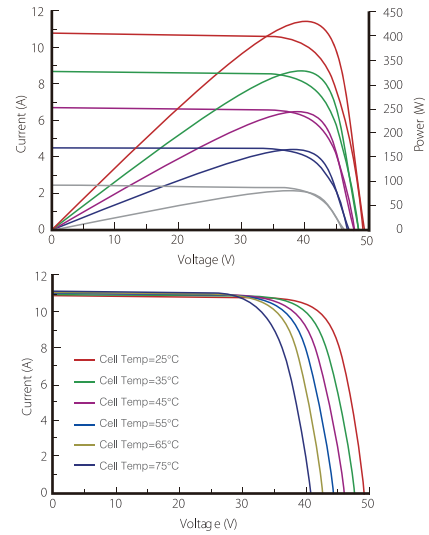
30-year

Linear Power Output

Dimensions



I-V Curves



Electrical Characteristics STC

Electrical Characteristics STC	JC430S-Abcp	JC435S-Abcp	JC440S-Abcp	JC445S-Abcp	JC450S-Abcp
Maximum Power (Pmax)	430W	435W	440W	445W	450W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	19.78%	20.01%	20.24%	20.47%	20.70%
Maximum Power Current (Imp)	10.57A	10.64A	10.71A	10.78A	10.85A
Maximum Power Voltage (Vmp)	40.7V	40.9V	41.1V	41.3V	41.5V
Short Circuit Current (Isc)	11.31A	11.39A	11.46A	11.53A	11.60A
Open Circuit Voltage (Voc)	48.5V	48.7V	48.9V	49.1V	49.3V

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

Electrical Characteristics NOCT

Electrical Characteristics NOCT	JC430S-Abcp	JC435S-Abcp	JC440S-Abcp	JC445S-Abcp	JC450S-Abcp
Maximum Power (Pmax)	321W	325W	329W	332W	336W
Maximum Power Current (Imp)	8.47A	8.53A	8.59A	8.64A	8.70A
Maximum Power Voltage (Vmp)	37.9V	38.1V	38.3V	38.5V	38.6V
Short Circuit Current (Isc)	9.15A	9.21A	9.27A	9.33A	9.38A
Open Circuit Voltage (Voc)	45.5V	45.7V	45.8V	46.0V	46.2V

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, 166 x 166 (±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	*2094x1038x35mm
Output Cable	4mm ² , 300mm, length can be customized
Weight	23.5 Kg
Installation Hole Location	See Drawing Above

Characteristics

Temperature Coefficient of Voc	-0.27%/°C
Temperature Coefficient of Isc	+0.048%/°C
Temperature Coefficient of Pmax	-0.348%/°C
Nominal Operating Cell Temperature (NOCT)	45°C ± 2°C

Packing Information

Container	20' GP	40' HQ
Pallets per Container	5	22
Pieces per Container	155	682

Maximum Ratings

Operating Temperature	-40°C ~ +85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	20A