

ReneSola

Twin 3.0

Mono Half-Cut Module

535W/540W/545W/550W/555W



High Module Conversion Efficiencies



Easy Installation and Handling for Various Applications



Mechanical Load Capability of up to 5400 Pa



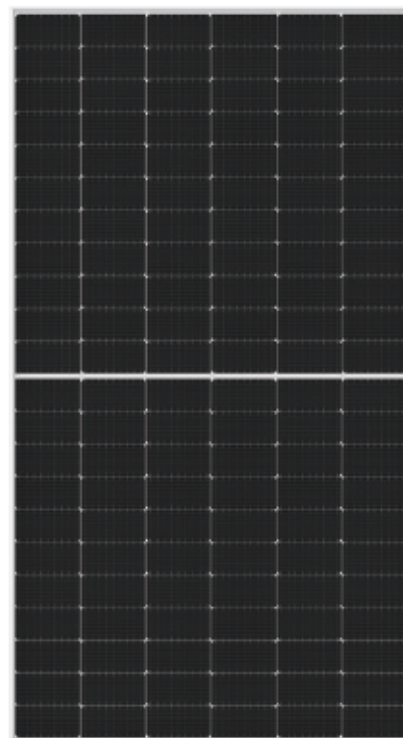
Conforms with IEC 61215:2016,
IEC 61730:2016, PID Test



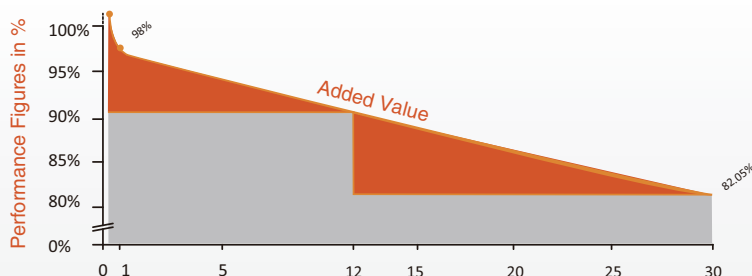
ISO9001, OHSAS18001, ISO14001 Certified



Application Class A, Safety Class II, Fire Rating C



Drawing Only for Reference



12-year

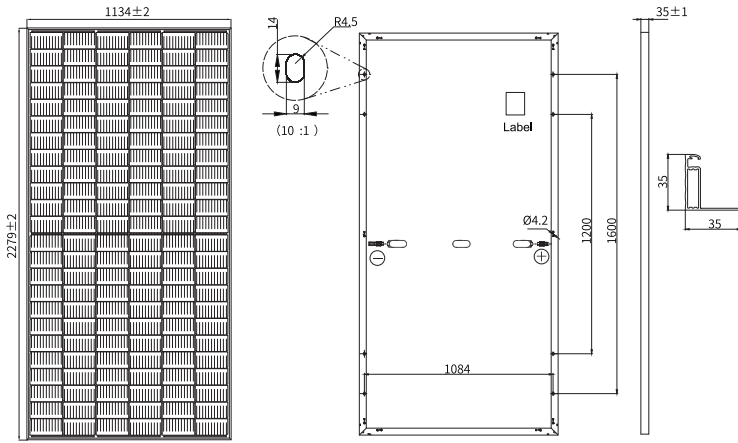
Material & Workmanship

30-year

Linear Power Output

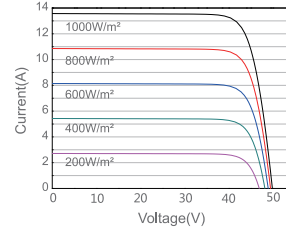


Dimensions

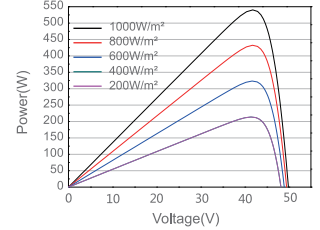


I-V Curves

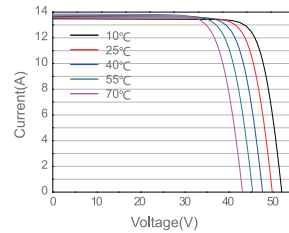
Current-Voltage Curve



Power-Voltage Curve



Current-Voltage Curve



Electrical Characteristics STC

	JC535S-Abcp	JC540S-Abcp	JC545S-Abcp	JC550S-Abcp	JC555S-Abcp
Maximum Power (Pmax)	525W	530W	535W	540W	545W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	20.71%	20.90%	21.10%	21.29%	21.48%
Maximum Power Current (Imp)	12.90A	12.97A	13.04A	13.12A	13.19A
Maximum Power Voltage (Vmp)	41.50V	41.65V	41.80V	41.95V	42.10V
Short Circuit Current (Isc)	13.78A	13.85A	13.92A	13.98A	14.04A
Open Circuit Voltage (Voc)	49.35V	49.50V	49.65V	49.80V	49.95V

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

Electrical Characteristics NOCT

	JC535S-Abcp	JC540S-Abcp	JC545S-Abcp	JC550S-Abcp	JC555S-Abcp
Maximum Power (Pmax)	399.9W	403.6W	407.4W	411.1W	414.8W
Maximum Power Current (Imp)	10.38A	10.43A	10.49A	10.56A	10.61A
Maximum Power Voltage (Vmp)	38.55V	38.69V	38.83V	38.97V	39.11V
Short Circuit Current (Isc)	11.14A	11.20A	11.25A	11.31A	11.35A
Open Circuit Voltage (Voc)	46.40V	46.54V	46.68V	46.82V	46.97V

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, 182 x 182 (±1)mm, 144(6x24) Half-Cut cells
Glass	High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated, With 3 Bypass Diodes
Dimension	*2279x1134x35mm
Output Cable	300mm(+)/300mm(-), length can be customized
Weight	28.6 kg
Installation Hole Location	See Drawing Above

Characteristics

Temperature Coefficient of Voc	-0.275%/°C
Temperature Coefficient of Isc	+0.045%/°C
Temperature Coefficient of Pmax	-0.350%/°C
Nominal Operating Cell Temperature (NOCT)	45°C±2°C

Packing Information

Container	40' HQ
Pallets per Container	20
Pieces per Container	620

Maximum Ratings

Operating Temperature	-40°C ~ +85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	25A