

ReneSola

TwinPower

Bifacial Double Glass Module

530W/535W/540W/545W/550W



High Module Conversion Efficiencies



Easy Installation and Handling for Various Applications



Mechanical Load Capability of up to 5400 Pa



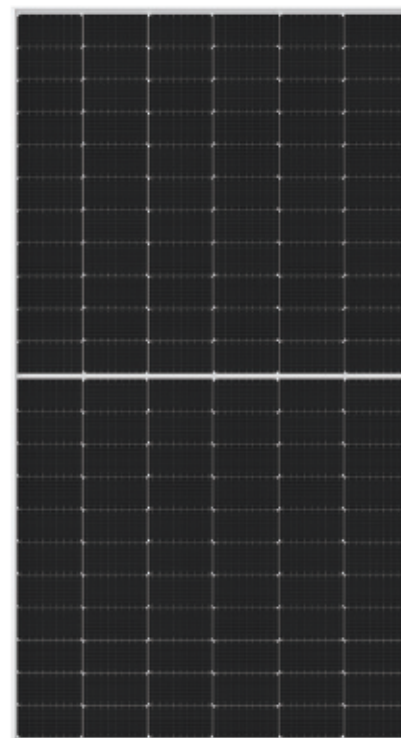
Conforms with IEC 61215, IEC 61730, PID Resistance



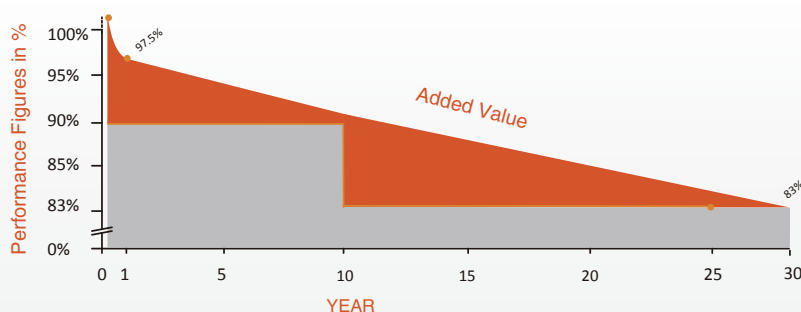
ISO9001, OHSAS18001, ISO14001 Certified



Application Class A, Safety Class II, Fire Rating Class A



Drawing Only for Reference



12-year

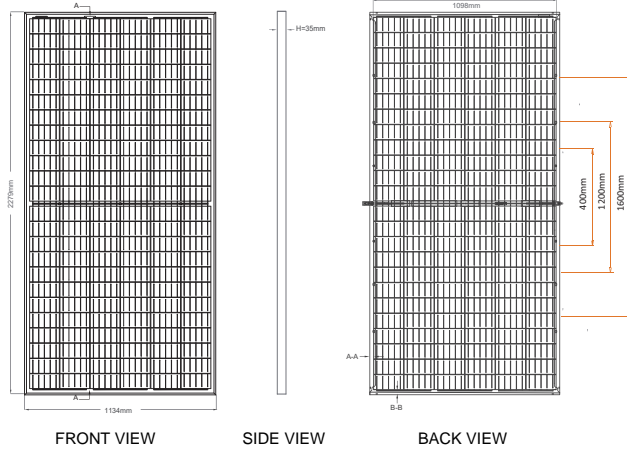
Material & Workmanship

30-year

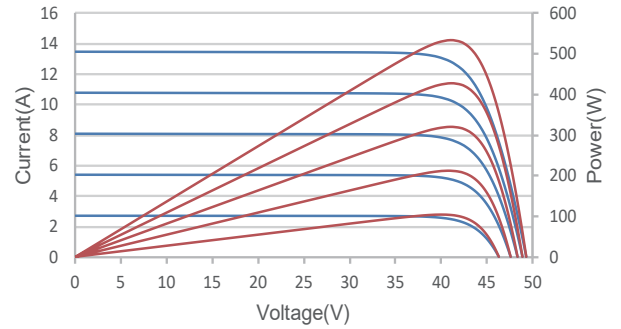
Linear Power Output



Dimensions



I-V Curves



Electrical Characteristics STC	JC530S-AgCd	JC535S-AgCd	JC540S-AgCd	JC545S-AgCd	JC550S-AgCd
Maximum Power (Pmax)	530W	535W	540W	545W	550W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	20.51%	20.70%	20.89%	21.09%	21.28%
Maximum Power Current (Imp)	13.09A	13.17A	13.25A	13.33A	13.41A
Maximum Power Voltage (Vmp)	40.49V	40.63V	40.76V	40.89V	41.02V
Short Circuit Current (Isc)	13.77A	13.85A	13.93A	14.01A	14.09A
Open Circuit Voltage (Voc)	48.99V	49.13V	49.26V	49.39V	49.51V

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

Electrical Characteristics NOCT	JC530S-AgCd	JC535S-AgCd	JC540S-AgCd	JC545S-AgCd	JC550S-AgCd
Maximum Power (Pmax)	394W	398W	402W	405W	409W
Maximum Power Current (Imp)	10.46A	10.52A	10.58A	10.65A	10.72A
Maximum Power Voltage (Vmp)	37.70V	37.84V	37.97V	38.05V	38.11V
Short Circuit Current (Isc)	11.12A	11.19A	11.25A	11.30A	11.35A
Open Circuit Voltage (Voc)	46.24V	46.37V	46.50V	46.63V	46.75V

Values at Normal Operating Cell Temperature, Irradiance of 800W/m², AM1.5, Ambient Temperature 20°C, Wind Speed 1m/s.

Bifacial Output-Rearside power Gain	JC530S-AgCd	JC535S-AgCd	JC540S-AgCd	JC545S-AgCd	JC550S-AgCd
5% Maximum Power (Pmax)	557W	562W	567W	572W	578W
Module Efficiency	21.53%	21.74%	21.94%	22.14%	22.35%
15% Maximum Power (Pmax)	610W	615W	621W	627W	633W
Module Efficiency	23.58%	23.81%	24.03%	24.25%	24.47%
25% Maximum Power (Pmax)	663W	669W	675W	681W	688W
Module Efficiency	25.63%	25.88%	26.12%	26.36%	26.60%

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	34.3 kg
Installation Hole Location	See Drawing Above

Characteristics

Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	+0.048%/°C
Temperature Coefficient of Pmax	-0.35%/°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