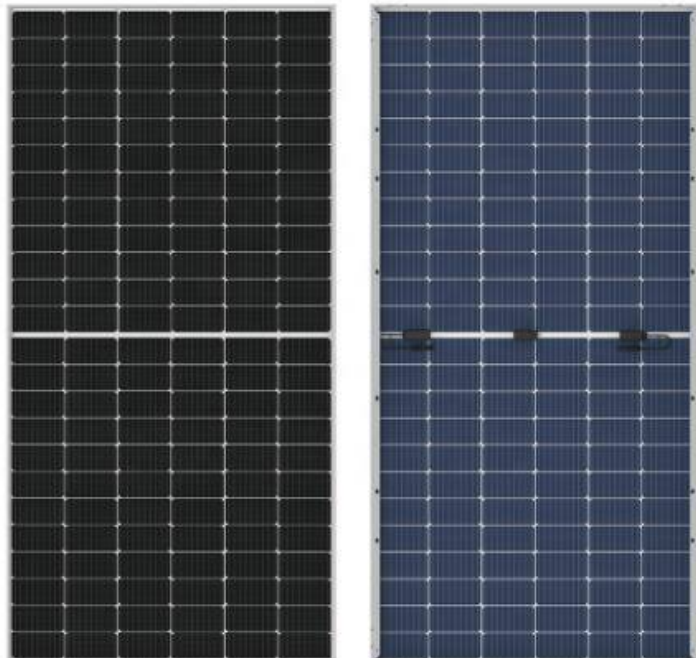


JX144HCD-182M Series

535W~550W Half Cell Module



Features

- Solid PID resistance
- Mono PERC with Half-cut Technology
- Slower power degradation
- Reduced resistive loss with lower operating current
- Reduced hot spot risk with optimized design and lower operating current
- High efficiency, all the innovative manufacturing technology, brings high conversion efficiency (up to 21.28%)

Management System and Product Certificate

Conform to IEC 61215, IEC 61730 and CE

ISO 9001: 2015: ISO Quality Management System

ISO 14001: 2015: ISO Environmental management system



Linear Performance Warranty

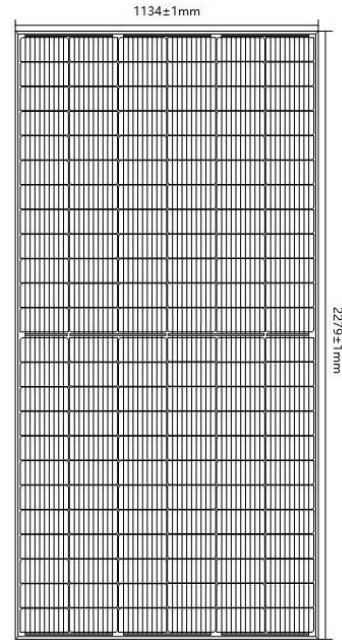


DATA (STC)

ELECTRICAL DATA(STC)								
Typical Type	535		540		545		550	
Testing Condition	Front	Back	Front	Back	Front	Back	Front	Back
Peak Power Watts-Pmax(Wp)	535	399.8	540	403.5	545	407.3	550	411
Max. Power Voltage-V MPP (V)	41.6	38.77	41.76	38.92	41.93	39.08	42.09	39.23
Max. Power Current-I MPP (A)	12.86	10.31	12.93	10.37	13.00	10.42	13.07	10.48
Open Circuit Voltage-V OC (V)	49.5	46.78	49.7	46.97	49.9	47.16	50.1	47.35
Short Circuit Current-I SC (A)	13.61	11.04	13.72	11.13	13.81	11.2	13.88	11.26
Module Efficiency η_m (%)	20.64	15.42	20.83	15.57	21.03	15.71	21.28	15.9
Power Output Tolerance-P MAX (W)	0~+5W							

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5.

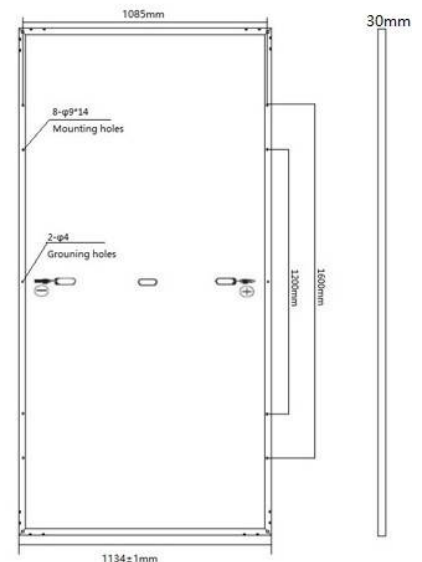
Module Diagram



Inegrated Power @STC (Reference to 530w front)					
Power Gains	5%	10%	15%	20%	25%
Peak Power Watts-Pmax(Wp)	558	585	610	636	663
Max. Power Voltage-V MPP (V)	41.85	41.85	41.74	41.74	41.74
Max. Power Current-I MPP (A)	13.34	13.97	14.61	15.24	15.88
Open Circuit Voltage-V OC (V)	49.4	49.4	49.5	49.5	49.5
Short Circuit Current-I SC (A)	14.23	14.91	15.58	16.26	16.94

MECHANICAL DATA	
Solar cells	Monocrystalline 182×91mm
Cell orientation	144cells (6×24)
Module dimensions	2279×1134×30mm
Weight	32.5kg
Glass Front	2.0mm, High Transmission, AR Coated Tempered
Frame	Silver anodized aluminum alloy
Glass Back	2.0mm tempered
J-Box	IP68 rated Split
Cables	Portrait 300mm(+)/300mm(-) 4mm ²
Connector	MC4

Dimensions in brackets are in inches.
Un-bracketed dimensions are in millimeters.
Unit: mm[in.]



TEMPERATURE RATINGS	
Nominal Operating Cell Temperature (NOCT)	44°C (± 2°C)
Temperature Coefficient of P _{MAX}	- 0.37%/°C
Temperature Coefficient of V _{oc}	- 0.29%/°C
Temperature Coefficient of I _{sc}	0.057%/°C

PACKAGING	
Standard packaging	35pcs/plt
Module quantity per 20' container	310 pcs
Module quantity per 40hq container	720 pcs

MAXIMUM RATINGS	
Operational Temperature	-40~+85°C
Maximum System Voltage	1500VDC(IEC)
Max Series Fuse Rating	25A