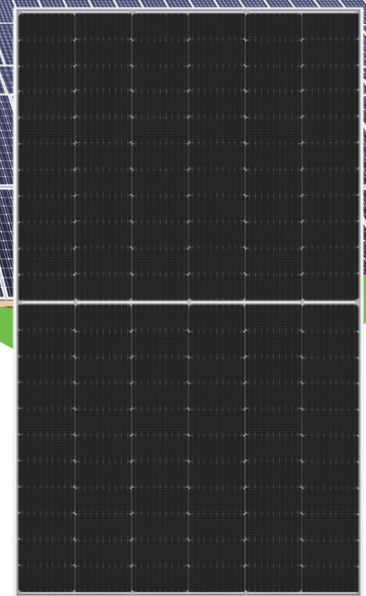




Enjoy Sunshine Enjoy Life



# MONOCRYSTALLINE SOLAR MODULE

## MONOCRYSTALLINE 182 HALF CELL SERIES

### The solar panel characteristics



**1500 Voltage**  
1500V system voltage design, compared with 1000V system greatly reduces BOS cost.



**10BB**  
More uniform current collection ability, reduce the current heat loss of the battery inside the module; Beautiful appearance, more suitable for roof installation.



**PID Resistant**  
Tested in accordance to the draft standard IEC 62804, our PV modules have demonstrated resistance against PID(Potential Induced Degradation), which translates to security for your investment.



**Low light performance**  
Through the use of excellent glass and battery surface velvet technology to achieve low light environment excellent performance.



**Load Capacity**  
The whole assembly has been certified with wind load of 2400Pa and snow load of 5400Pa, pass extra 8000Pa snow resistance.



**Customizable**  
Solar panels can be customized as your requirements.

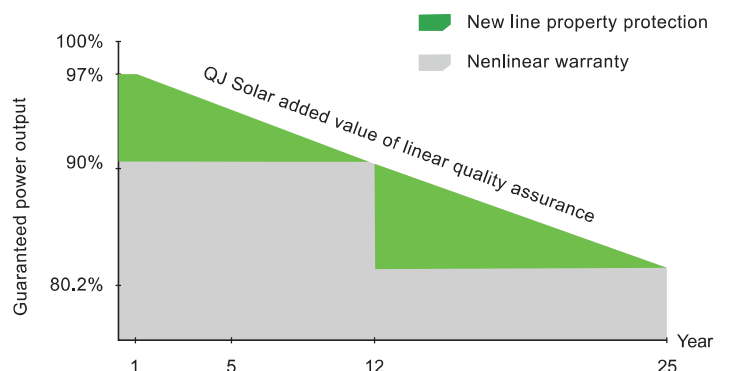
### QJ Solar linear warranty



**10 Years**  
Limited Product Warranty



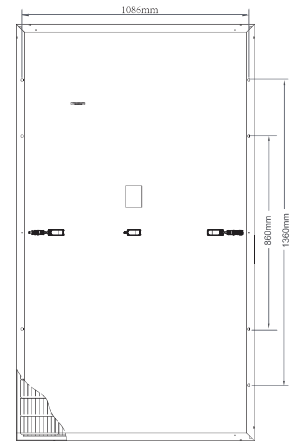
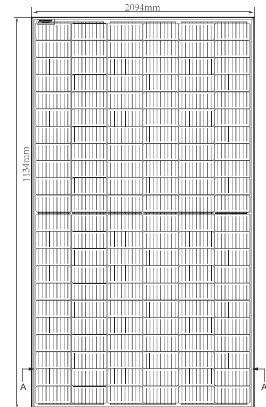
**25 Years**  
Performance Warranty



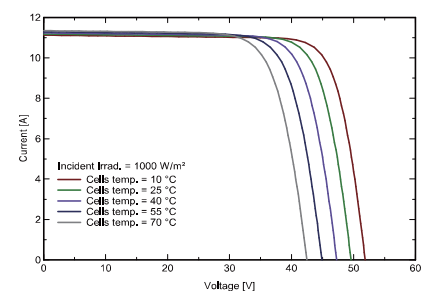
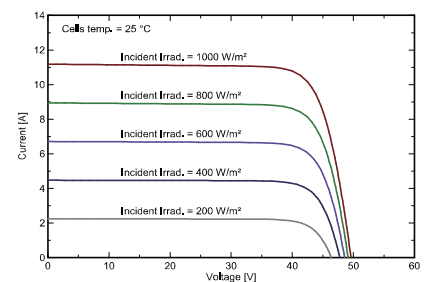
# MONOCRYSTALLINE 182 HALF CELL SERIES



Module Diagram:



Electrical Curves:



## ELECTRICAL PERFORMANCE

		QJM480 -132H(10BB)	QJM485 -132H(10BB)	QJM490 -132H(10BB)	QJM495 -132H(10BB)	QJM500 -132H(10BB)	QJM505 -132H(10BB)
Module Type							
Power output	$P_{max}$ <b>Wp</b>	480	485	490	495	500	505
Power output tolerance	$\Delta P_{max}$ <b>W</b>	0 + 3					
Voltage at Pmax	$V_{mpp}$ <b>V</b>	38.15	38.24	38.33	38.41	38.5	38.63
Current at Pmax	$I_{mpp}$ <b>A</b>	12.58	12.69	12.78	12.89	12.99	13.08
Open-circuit voltage	$V_{oc}$ <b>V</b>	45.1	45.2	45.3	45.4	45.5	45.6
Short-circuit current	$I_{sc}$ <b>A</b>	13.46	13.57	13.68	13.79	13.89	13.99
Module Efficiency	<b>Eff. %</b>	20.4	20.6	20.8	21	21.2	21.4

## TEMPERATURE & MAXIMUM RATINGS

Temperature coefficient of Pmax	-0.39%/C
Temperature coefficient of Voc	-0.32%/C
Temperature coefficient of Isc	0.055%/C
Operational Temperature	-45°C ~ +85°C
Maximum System Voltage	1000/1500VDC
Max Series Fuse Rating	15A

## MECHANICAL CHARACTERISTICS

Front cover (material / thickness)	low-iron, high transmission, tempered AR coated glass, 3.2mm
Backsheet (color)	white/black
Solar Cell (quantity / material / dimension)	132(6*22), monocrystalline, 10BB/9BB, 182*91mm
Frame (material / color)	anodized aluminum alloy, silver/black
Junction box ( protection degree)	IP 67, 3 Schottky bypass diodes
Cables & Plug connectors	300mm, 4mm² & MC4 compatible
Module Dimensions (L / W / H)	2094*1134*35mm
Module Weight	26kg

## PACKING DETAILS

Container	20' GP	40' GP
Pieces per pallet	31PCS+4PCS	31PCS
Pallets per container	5P	22P
Pieces per container	175PCS	682PCS

## QJ SOLAR Cixi City Rixing Electronics Co., Ltd.

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