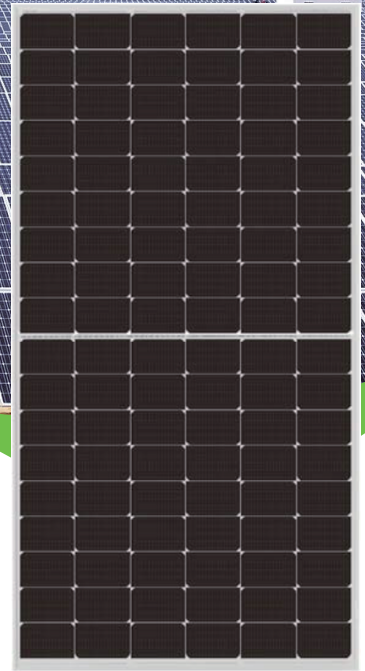




Enjoy Sunshine Enjoy Life



# 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.

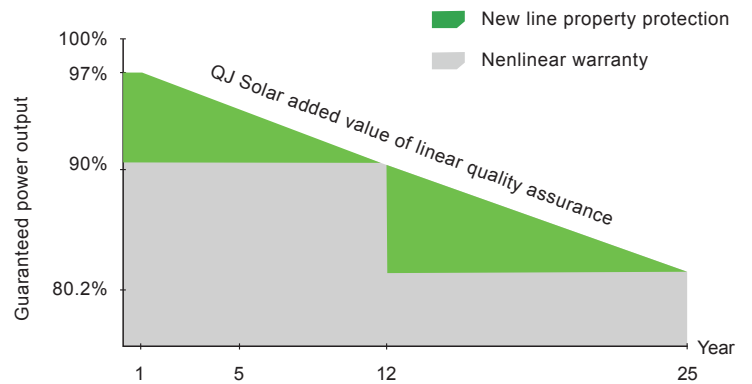
### QJ Solar linear warranty



**10 Years**  
Limited Product Warranty



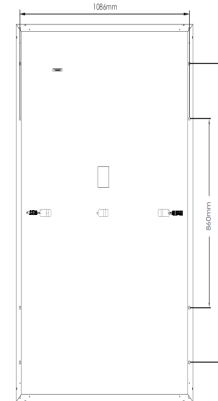
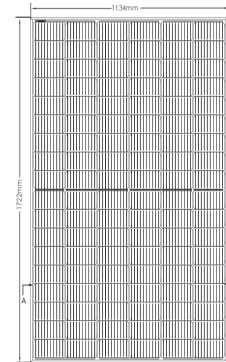
**25 Years**  
Performance Warranty



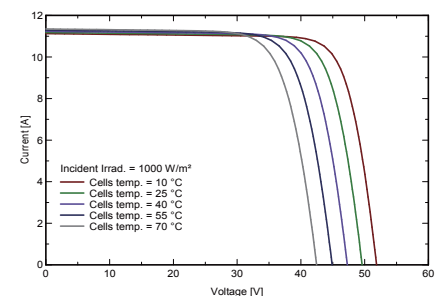
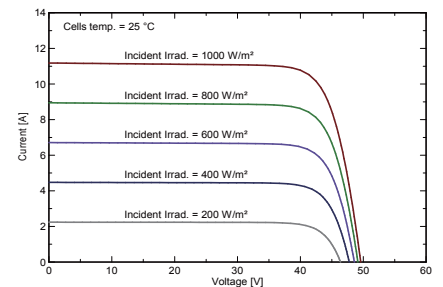
# MONOCRYSTALLINE 182 HALF CELL SERIES



## Module Diagram:



## Electrical Curves:



### ELECTRICAL PERFORMANCE

Module Type			QJM390	QJM395	QJM400	QJM405	QJM410	QJM415
			-108H(10BB)	-108H(10BB)	-108H(10BB)	-108H(10BB)	-108H(10BB)	-120H(10BB)
Power output	$P_{max}$	<b>Wp</b>	390	395	400	405	410	415
Power output tolerance	$\Delta P_{max}$	<b>W</b>	0 + 3					
Voltage at Pmax	$V_{mpp}$	<b>V</b>	31.14	31.2	31.3	31.38	31.47	31.55
Current at Pmax	$I_{mpp}$	<b>A</b>	12.53	12.67	12.78	12.91	13.02	13.16
Open-circuit voltage	$V_{oc}$	<b>V</b>	36.8	36.9	37	37.1	37.2	37.3
Short-circuit current	$I_{sc}$	<b>A</b>	13.41	13.55	13.68	13.81	13.94	14.07
Module Efficiency	<b>Eff.</b>	<b>%</b>	19.9	20.2	20.5	20.7	21.0	21.2

### 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	25A

### 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)	108(6*9+6*9), 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, 4mm <sup>2</sup> & MC4 compatible
Module Dimensions (L / W / H)	1724*1134*40/35mm 1722*1134*40*35mm 1707*1133*40/35mm
Module Weight	22kg

### PACKING DETAILS

Container	20' GP	40' GP
Pieces per pallet	31PCS+4PCS	31PCS
Pallets per container	6P	26P
Pieces per container	210PCS	806PCS