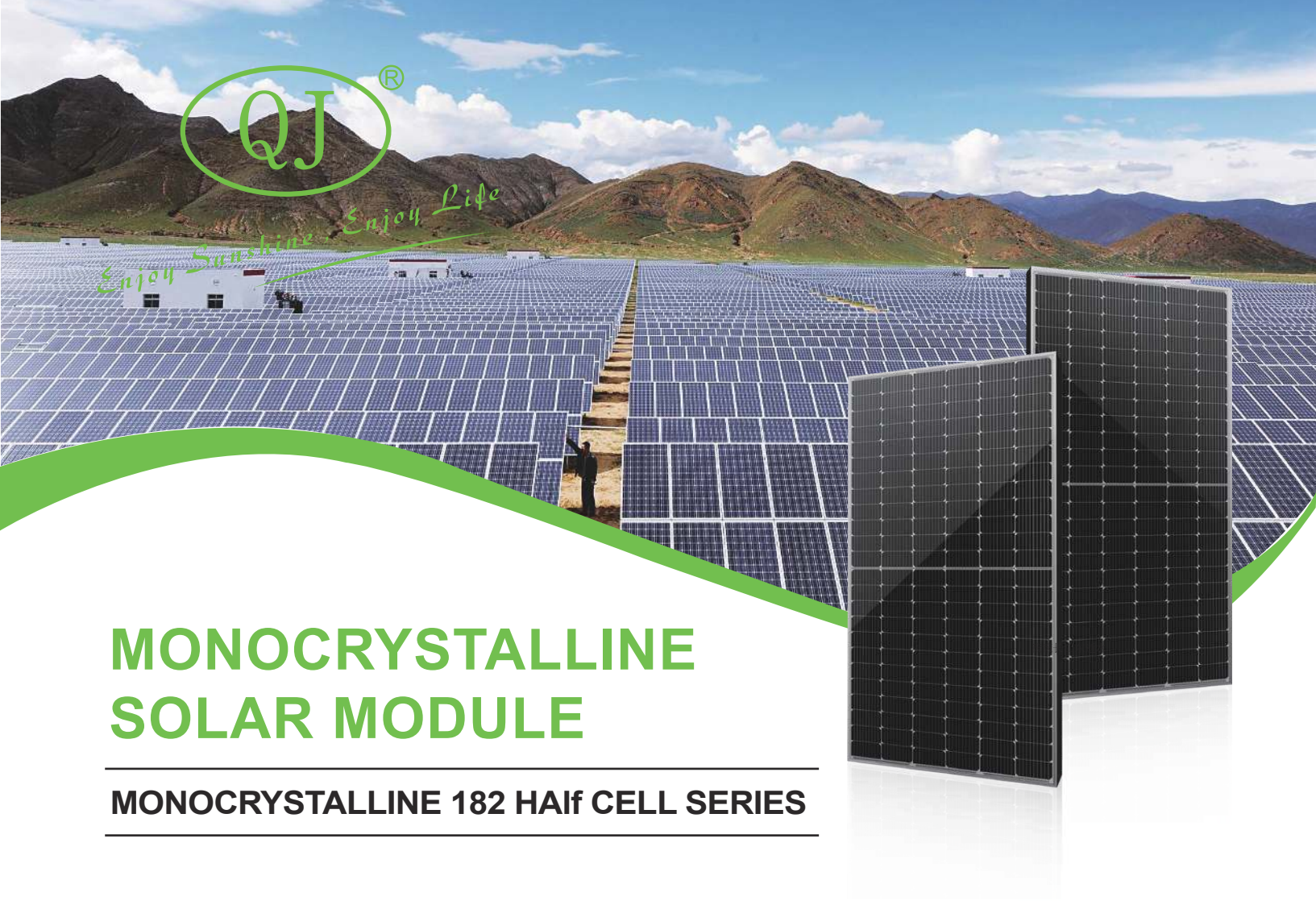


MONOCRYSTALLINE SOLAR MODULE

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 environm ent excellent performance.

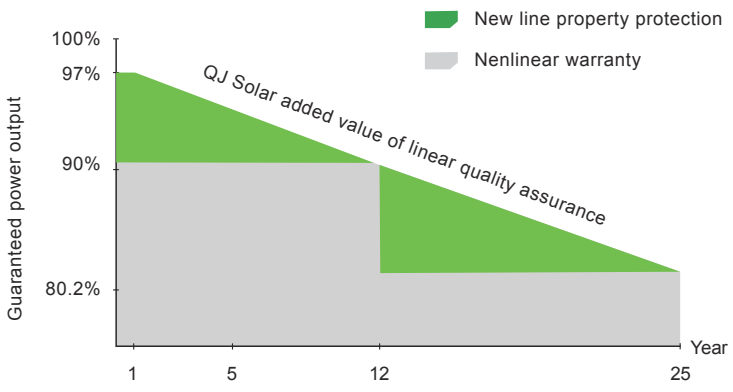
Load Capacity
The whole assembly has been certified with wind load of 2400Pa and snow load of 5400Pa, pass extra 8000Pa snow resistance.

Customizable
Solar panels can be customized as your requirements.

QJ Solar linear warranty

12 YEAR — 12 Years Limited Product Warranty

25 YEAR — 25 Years Performance Warranty



MONOCRYSTALLINE
182 HALF CELL SERIES

Enjoy Sunshine, Enjoy Life

ELECTRICAL PERFORMANCE

Module Type			QJM525 -144H(10BB)	QJM530 -144H(10BB)	QJM535 -144H(10BB)	QJM540 -144H(10BB)	QJM545 -144H(10BB)	QJM550 -144H(10BB)
Power output	P_{max}	Wp	525	530	535	540	545	550
Power output tolerance	ΔP_{max}	W			0 + 3			
Voltage at Pmax	V_{mpp}	V	41.8	41.84	41.88	41.96	42.05	42.13
Current at Pmax	I_{mpp}	A	12.56	12.69	12.78	12.87	12.96	13.05
Open-circuit voltage	V_{oc}	V	49.3	49.4	49.5	49.6	49.7	49.8
Short-circuit current	I_{sc}	A	13.44	13.58	13.67	13.78	13.87	13.97
Module Efficiency	Eff.	%	20.4	20.6	20.8	21	21.2	21.4

TEMPERATURE & MAXIMUM RATINGS

Temperature coefficient of Pmax	-0.39%/℃
Temperature coefficient of Voc	-0.32%/℃
Temperature coefficient of Isc	0.055 %/℃
Operational Temperature	-45℃~+85℃
Maximum System Voltage	1000/1500VDC
Max Series Fuse Rating	25A

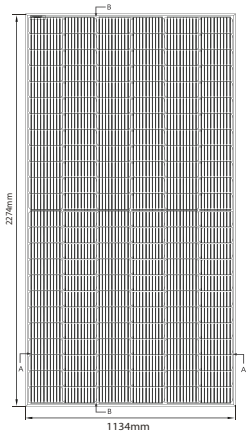
MECHANICAL CHARACTERISTICS

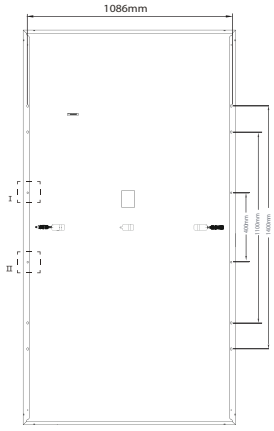
Front cover (material / thickness)	low-iron, high transmission, tempered AR coated glass, 3.2mm
Backsheet (color)	white/black
Solar Cell (quantity / material / dimension)	144(6*12+6*12), monocrystalline, 10BB/9BB, 182*91mm
Frame (material / color)	anodized aluminum alloy, silver/black
Junction box (protection degree)	IP 68, 3 Schottky bypass diodes
Cables & Plug connectors	300mm, 4mm² & MC4 compatible
Module Dimensions (L / W / H)	2274*1134*35/2278*1133*35/2279*1134*35/2284*1134*35/2285*1134*35mm
Module Weight	26kg

PACKING DETAILS

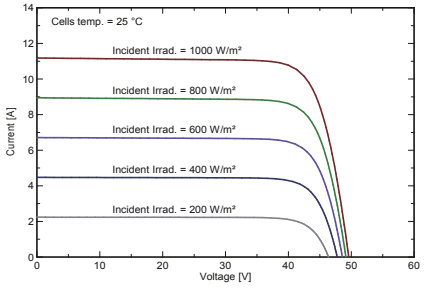
Container	20' GP	40'GP
Pieces per pallet	31PCS+4PCS	31PCS
Pallets per container	4P	20P
Pieces per container	140PCS	620PCS

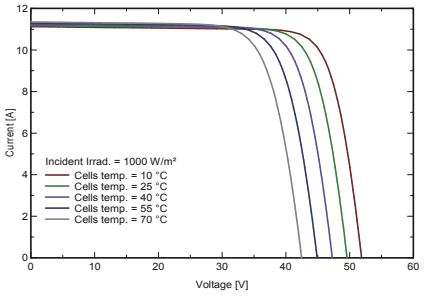
Module Diagram:





Electrical Curves:





QJ SOLAR
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