



Enjoy Sunshine Enjoy Life

MONOCRYSTALLINE SOLAR MODULE

MONOCRYSTALLINE 144-CELL SERIES



The solar panel characteristics



1500 Voltage

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



5BB

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



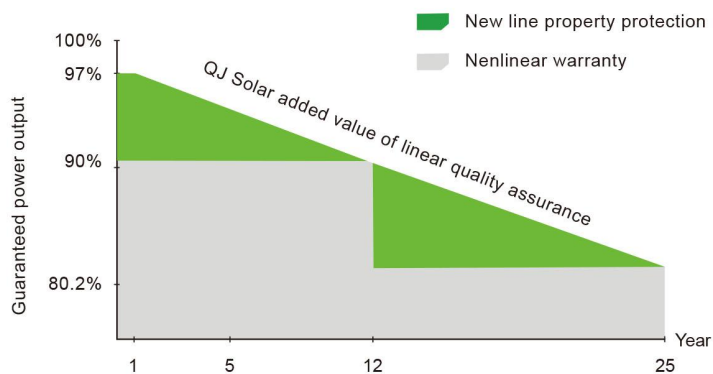
10Years

Limited Product Warranty



25Years

Performance Warranty



MONOCRYSTALLINE 144-CELL SERIES



ELECTRICAL PERFORMANCE

Module Type			QJM375 -144H	QJM380 -144H	QJM385 -144H	QJM390 -144H	QJM395 -144H	QJM400 -144H
Power output	P_{max}	Wp	375	380	385	390	395	400
Power output tolerance	ΔP_{max}	W	0 + 3					
Voltage at Pmax	V_{mpp}	V	39.5	39.8	40.0	40.2	40.4	40.6
Current at Pmax	I_{mpp}	A	9.49	9.55	9.63	9.71	9.78	9.85
Open-circuit voltage	V_{oc}	V	48.19	48.56	48.8	49.05	49.28	49.53
Short-circuit current	I_{sc}	A	10.06	10.11	10.19	10.29	10.35	10.44
Module Efficiency	Eff.	%	18.81	19.06	19.31	19.56	19.81	19.96

TEMPERATURE & MAXIMUM RATINGS

Temperature coefficient of P_{max}	-0.39%/°C
Temperature coefficient of V_{oc}	-0.32%/°C
Temperature coefficient of I_{sc}	0.055 %/°C
Operational Temperature	-45 °C ~ +85 °C
Maximum System Voltage	1000/1500VDC
Max Series Fuse Rating	15A

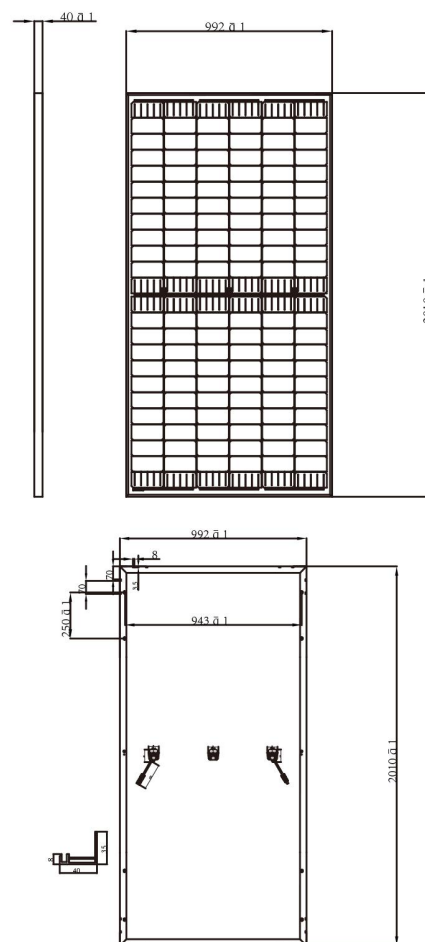
MECHANICAL CHARACTERISTICS

Front cover (material / thickness)	low-iron, high transmission, tempered AR coated glass, 3.2mm
Backsheet (color)	white/black
Solar Cell (quantity / material / dimension)	144(6*12+6*12), monocrystalline, 156.75*156.75mm/158.75*158.75mm
Frame (material / color)	anodized aluminum alloy, silver/black
Junction box (protection degree)	IP 67, 3 Schottky bypass diodes
Cables & Plug connectors	300mm, 4mm ² & MC4 compatible
Module Dimensions (L / W / H)	2010*992*40mm/2020*1002*40mm
Module Weight	22.2/22.5kg

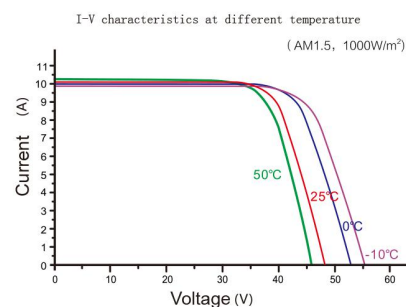
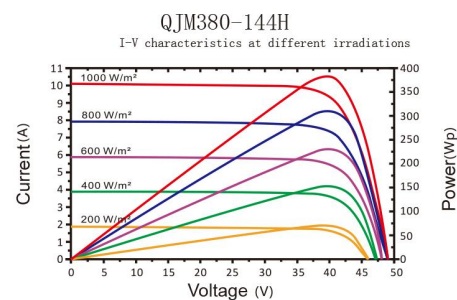
PACKING DETAILS

Container	20' GP	40' GP
Pieces per pallet	27PCS	27PCS
Pallets per container	10P	22P
Pieces per container	270PCS	594PCS

Module Diagram:



Electrical Curves:



QJ SOLAR
Cixi City Rixing Electronics Co., Ltd.

Add: Jietang Industrial Park, Zhouxiang Town, Cixi City, Zhejiang Province, China.

Tel: 86-574-63441748 Fax: 86-574-63456148

Email: sales@qjsolar.com Web.: www.qjsolar.com

