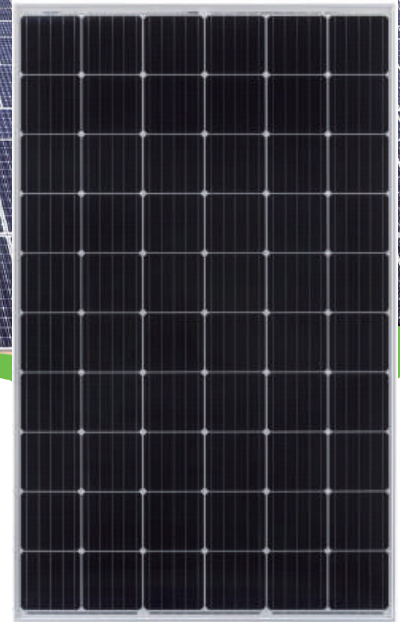




Enjoy Sunshine Enjoy Life



# MONOCRYSTALLINE SOLAR MODULE

## MONOCRYSTALLINE 60-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.

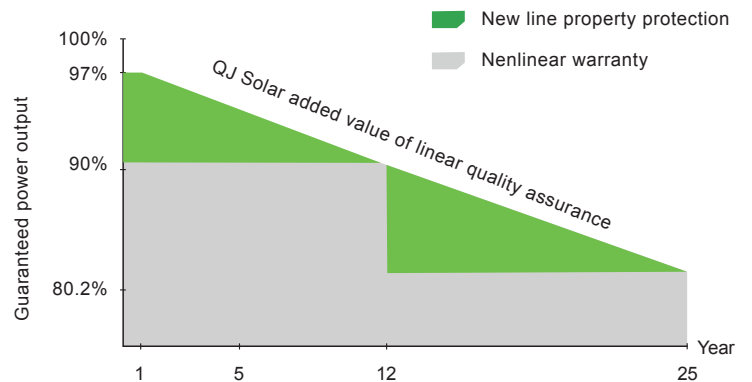
### QJ Solar linear warranty



**10 Years**  
Limited Product Warranty



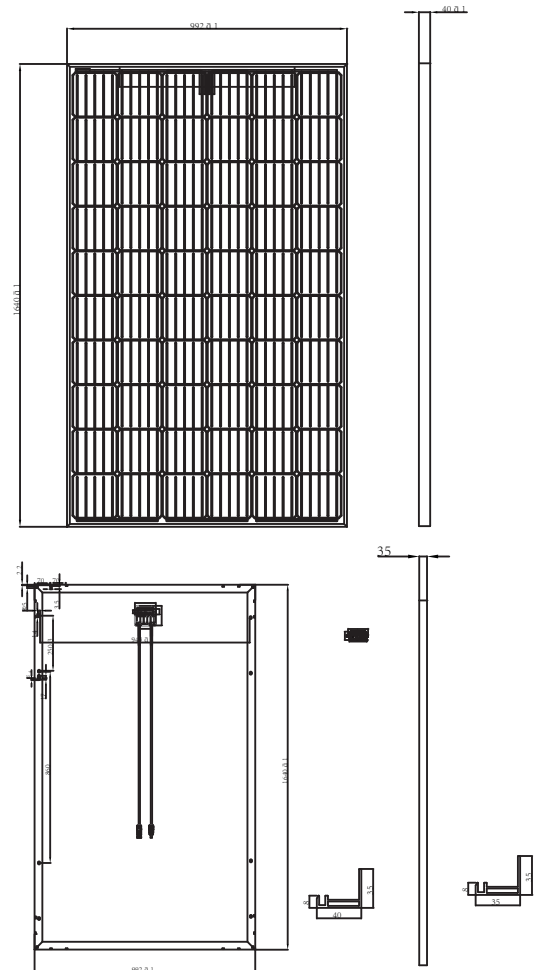
**25 Years**  
Performance Warranty



# MONOCRYSTALLINE 60-CELL SERIES



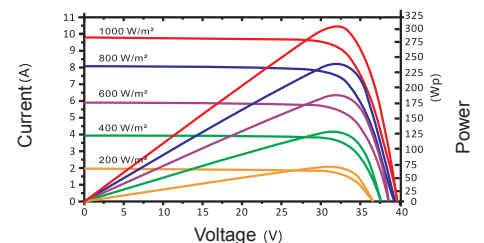
## Module Diagram:



## Electrical Curves:

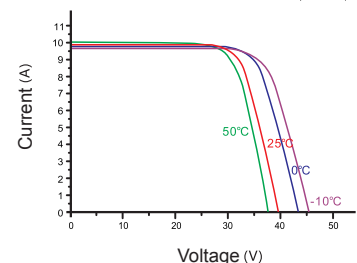
### QJM305-60

I-V characteristics at different irradiances



I-V characteristics at different temperature

(AM1.5, 1000W/m²)



## ELECTRICAL PERFORMANCE

Module Type	QJM290 -60	QJM295 -60	QJM300 -60	QJM305 -60	QJM310 -60	QJM315 -60	
Power output	$P_{max}$ Wp	290	295	300	305	310	315
Power output tolerance	$\Delta P_{max}$ W	0 + 3					
Voltage at Pmax	$V_{mpp}$ V	32.65	32.85	33.05	33.25	33.45	33.75
Current at Pmax	$I_{mpp}$ A	8.89	8.98	9.08	9.18	9.27	9.34
Open-circuit voltage	$V_{oc}$ V	39.84	40.08	40.33	40.57	40.81	41.18
Short-circuit current	$I_{sc}$ A	9.52	9.61	9.72	9.83	9.92	9.99
Module Efficiency	Eff. %	17.83	18.13	18.44	18.75	19.05	19.36

## TEMPERATURE & MAXIMUM RATINGS

Temperature coefficient of Pmax	-0.4%/C
Temperature coefficient of Voc	-0.30%/C
Temperature coefficient of Isc	0.06%/C
Operational Temperature	-45C ~ +85C
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)	60(6*10), 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	900mm, 4mm² & MC4 compatible
Module Dimensions (L / W / H)	1640*992*35mm/40mm
Module Weight	18.3/18.75kg

## PACKING DETAILS

Container	20' GP	40' GP
Pieces per pallet	30/27PCS	30/27PCS
Pallets per container	14/12P	28P
Pieces per container	400/324PCS	840/756PCS

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

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