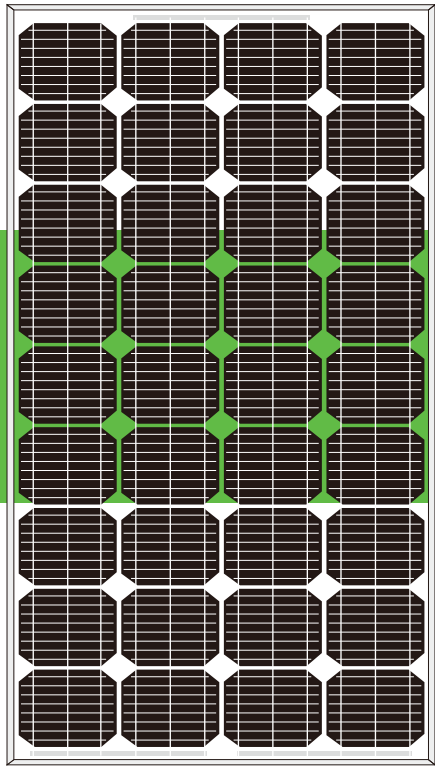


QG 130~140-6M

Features

This mold of solar module has 36 solar cells.
They can be used for off-grid solar applications.
Our meticulous design and production techniques ensure a high-yield, long-term performance for every module produced.

Applications

- *High efficiency*
- *Nominal 12V DC for standard output*
- *Water Pumping systems*
- *Rural area applications*
- *etc.*

Features

- *5 years product warranty on material and workmanship*
  10 years limited warranty of 90% output
  25 years limited warranty of 80% output
- *Strong framed module,passing mechanical load test of 5400Pa to withstand heavier snow load*
- *Industry leading power tolerance: ± 3%*

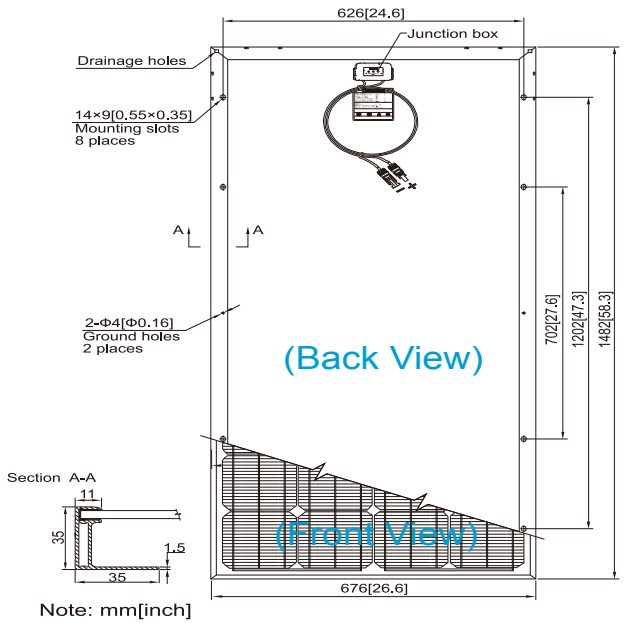
Qualifications

- *IEC 61215 , IEC 61730 , CE*
- *ISO9001:2008: Standards for quality management systems*

Electrical Characteristics

Characteristics	QG140-6M	QG135-6M	QG 130-6M
Open - Circuit voltage (Voc)	22.6V	22.4V	22.2V
Optimum Operating Voltage (Vmp)	17.8V	17.5V	17.5V
Short - Circuit Current (Isc)	8.24A	8.14A	8.04A
Optimum Operating Current (Imp)	7.87A	7.71A	7.43A
Maximum Power at STC (Pmax)	140 Wp	135 Wp	130Wp
Operating Temperature	-40℃ to +85℃		
Maximum System Voltage	1000V DC		
Maximum Series Fuse Rating	20A		
Power Tolerance	±3 %		

*STC : Irradiance 1000W/m²,Module temperature 25°C, AM=1.5



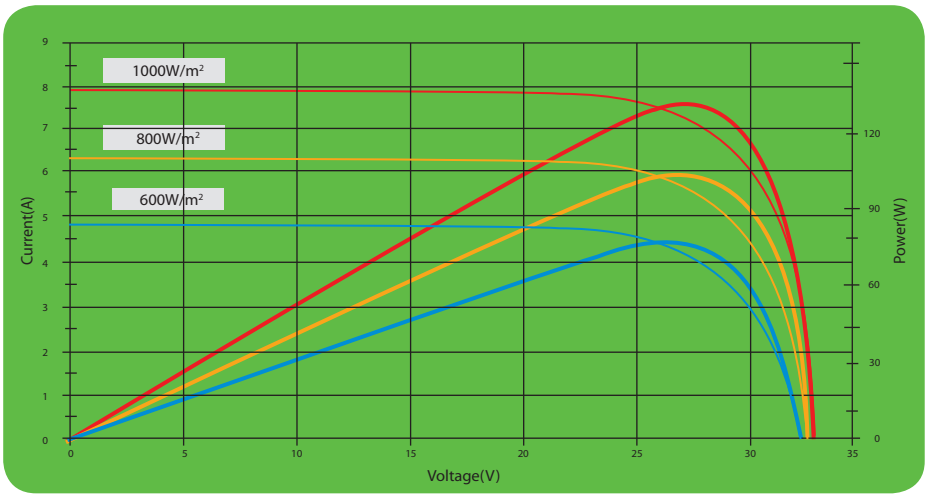
Mechanical Characteristics

Solar Cell	Mono-crystalline 156x156mm (6inch)
No. of Cells	36 (4×9)
Dimensions	1482×676×35mm
Weight	12kg
Front Glass	3.2 mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP65
Output Cables	(-) 750mm (+)750mm MC pulg Type IV

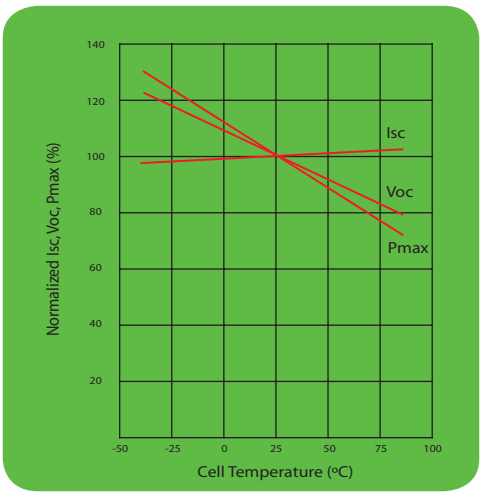
Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of Pmax	-0.48 %/°C
Temperature Coefficient of Voc	-0.34 %/°C
Temperature Coefficient of Isc	0.055 %/°C

Current-Voltage & Power-Voltage Curve (130W)



Temperature Dependence of Isc, Voc, Pmax



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