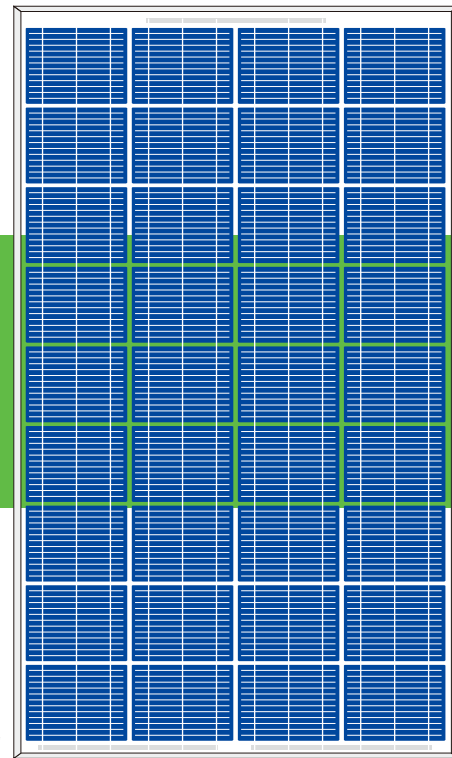




# QG 130~135-6P



## 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:  $\pm 3\%$*

## Qualifications

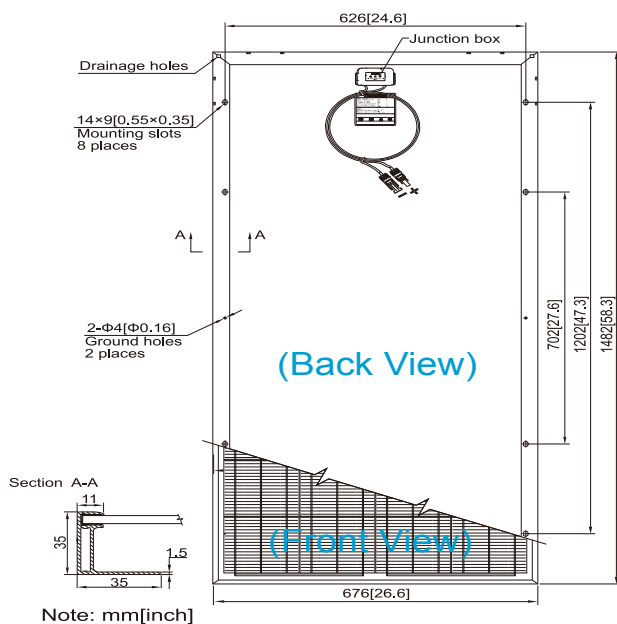
- *IEC 61215 , IEC 61730 , CE*
- *ISO9001:2008: Standards for quality management systems*



## Electrical Characteristics

Characteristics	QG135-6P	QG 130-6P
Open - Circuit voltage (Voc)	22.3V	22.0V
Optimum Operating Voltage (Vmp)	17.5V	17.4V
Short - Circuit Current (Isc)	8.20A	8.09A
Optimum Operating Current (Imp)	7.71A	7.47A
Maximum Power at STC (Pmax)	135 Wp	130Wp
Operating Temperature	-40°C to +85°C	
Maximum System Voltage	1000V DC	
Maximum Series Fuse Rating	20A	
Power Tolerance	±3 %	

\*STC : Irradiance 1000W/m<sup>2</sup>, Module temperature 25°C, AM=1.5



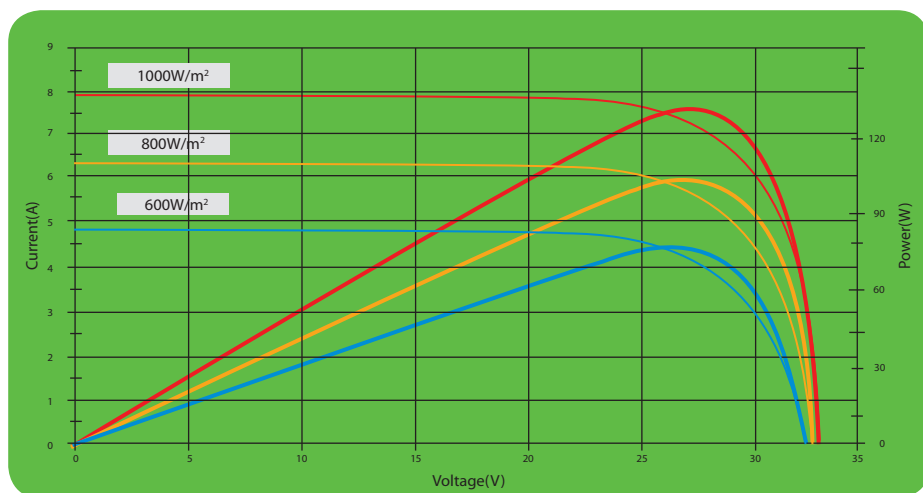
## Mechanical Characteristics

Solar Cell	Poly-crystalline 156x156mm (6inch)
No. of Cells	36 (4x9)
Dimensions	1482x676x35mm
Weight	12kg
Front Glass	3.2 mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP65
Output Cables	(-) 750mm (+) 750mm MC pulg Type IV

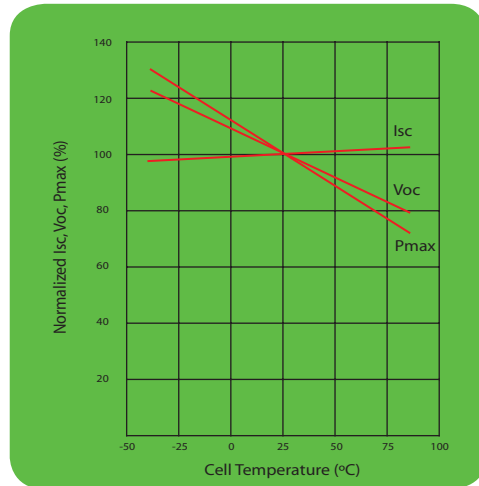
## Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of Pmax	-0.47 %/°C
Temperature Coefficient of Voc	-0.34 %/°C
Temperature Coefficient of Isc	0.045 %/°C

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



## Temperature Dependence of Isc, Voc, Pmax



Add: No.2318#6,XingHua Rd  
 Jiading District Shanghai  
 Zip: 201812  
 Tel: +86 21 61846188  
 Fax: +86 21 39116333 x 653  
 E-mail: sales@qgsolarenergy.com  
 Http: //www.qgsolarenergy.com