

GY 250M-60

MONOCRYSTALLINE MODULE

245 Watt
250 Watt
255 Watt



Features

12
Year

12 years warranty on material and workmanship

17.0%

High cell conversion efficiency (up to 17.0%),
through superior manufacturing technology

0/+3%

Guaranteed positive tolerance of 0/+3% delivers
higher outputs reliably

2400Pa
5400Pa

Module certified to withstand extreme wind (2400 Pascal)
and snow loads (5400 Pascal)

°C
LOW
TEMPERATURE

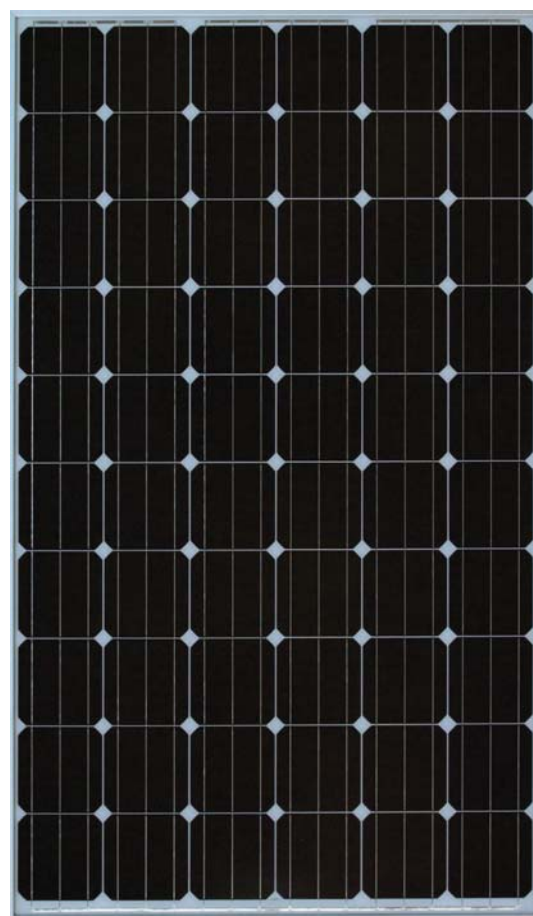
Low nominal operating cell temperature (NOCT) delivers
better power and performance over time

ISO

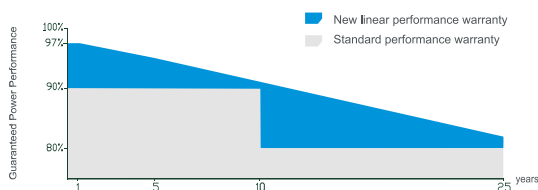
Quality and Environment Management System
(ISO9001, ISO14001)

100%

100% In-line Electroluminescence(EL) tested



Premium Performance Warranty



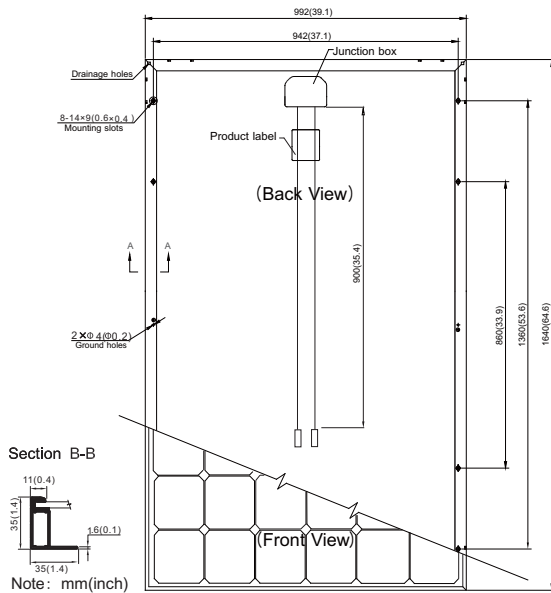
* Based on customer requirements and contract terms

- Based on nominal power (P_{nom})
- 10 years guaranteed in 90% minimum power output
- 25 years guaranteed in 80% minimum power output

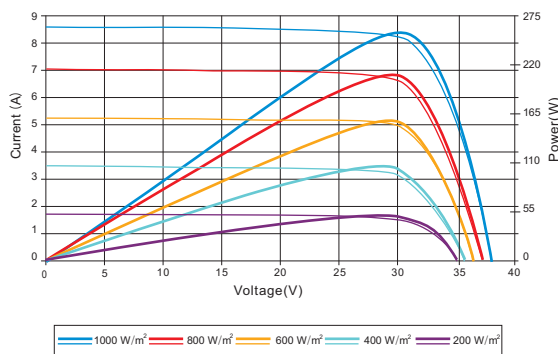
Certifications and standards :

ISO9001:2008, ISO14001:2004 certified factory
IEC61215, IEC61730 certified products

Engineering Drawings

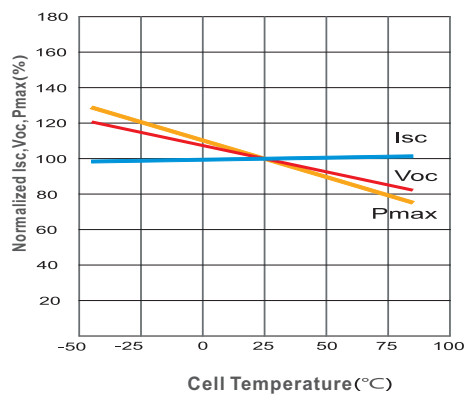


Current-Voltage & Power-Voltage Curve(250W)



Excellent performance under weak light conditions: at an irradiance intensity of 200 W/m² (AM 1.5, 25 °C), 95.5% or higher of the STC efficiency (1000 W/m²) is achieved

Temperature Dependence of Isc, Voc, Pmax



Electrical Characteristics

STC	GY245M-60	GY250M-60	GY255M-60
Maximum Power at STC (Pmax)	245W	250 W	255 W
Optimum Operating Voltage (Vmp)	30.6V	30.7 V	30.8 V
Optimum Operating Current (Imp)	8.01A	8.15 A	8.28 A
Open Circuit Voltage (Voc)	37.3V	37.4 V	37.6 V
Short Circuit Current (Isc)	8.71A	8.76 A	8.82 A
Cell Efficiency	17.7%	18.0%	18.4%
Operating Module Temperature	-40 °C ~ +85 °C		
Maximum System Voltage	1000 V DC (TUV)		
Maximum Series Fuse Rating	15 A		
Power Tolerance	0/+3 %		

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

Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/- 3%

Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	47±2°C
Temperature Coefficient of Pmax	-0.46 %/°C
Temperature Coefficient of Voc	-0.34 %/°C
Temperature Coefficient of Isc	0.05 %/°C

Mechanical Characteristics

Solar Cells	Monocrystalline silicon 156×156 mm
No. of Cells	60 (6×10)
Dimensions	1640×992×35mm
Weight	19.5 kg
Front Glass	3.2 mm tempered glass
Frame	Anodized/Electrophoretic aluminium alloy
Junction Box	IP65/IP67
Output Cables	4.0 mm ² symmetrical lengths (-) 1170mm
Connectors	MC4 connectors

Packing Configuration

Container	20' GP	40' HC
Pieces per pallet	26	30
Pallets per container	14	28
Pieces per container	348	840

