

GY250P-60

POLYCRYSTALLINE MODULE

225-250 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 +3% delivers higher outputs reliably

2400Pa
5400Pa

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

LOW
TEMPERATURE

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

ISO

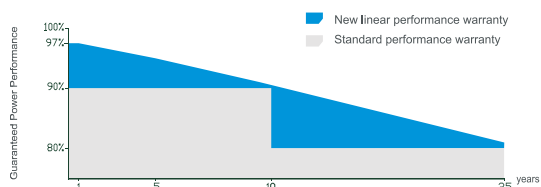
Quality and Environment Management System (ISO9001, ISO14001)

100%

100% In-line Electroluminescence(EL) tested



Premium Performance Warranty



* Based on customer requirements and contract terms

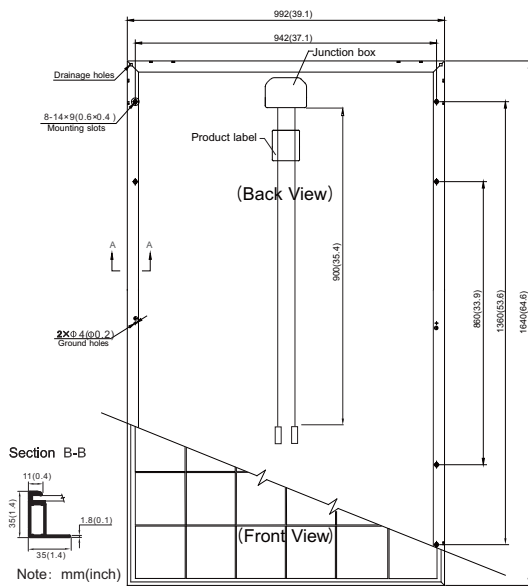
- Based on nominal power (Pnom)
- 10 years guaranteed in 90% minimum power output
- 25 years guaranteed in 80% minimum power output



Certifications and standards:

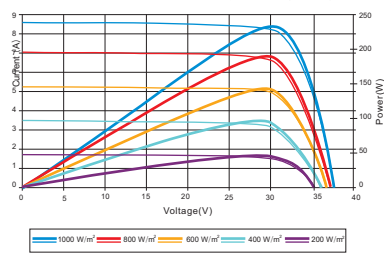
ISO9001:2008, ISO14001:2004 certified factory
IEC61215, IEC61730 certified products

Engineering Drawings



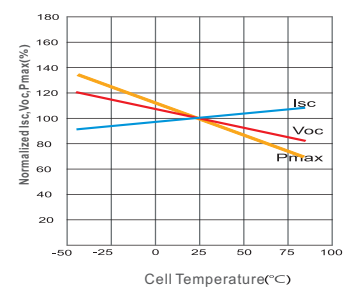
Electrical Characteristics

Current-Voltage & Power-Voltage Curve(240W)



Excellent performance under weak light conditions: at an irradiation 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



Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	47±2°C
Temperature Coefficient of Pmax	-0.43%/°C
Temperature Coefficient of Voc	-0.41%/°C
Temperature Coefficient of Isc	0.08%/°C

STC	GY225P-60	GY230P-60	GY235P-60	GY240P-60	GY245P-60	GY250P-60
Maximum Power at STC (Pmax)	225 W	230 W	235 W	240 W	245 W	250 W
Optimum Operating Voltage (Vmp)	29.6 V	29.8 V	30.0 V	30.2 V	30.4 V	30.4 V
Optimum Operating Current (Imp)	7.62 A	7.71 A	7.85 A	7.94 A	8.05 A	8.19 A
Open Circuit Voltage (Voc)	36.1 V	36.8 V	37.0 V	37.2 V	37.3 V	37.5 V
Short Circuit Current (Isc)	8.23 A	8.35 A	8.46 A	8.55 A	8.63 A	8.63 A
Cell Efficiency	15.9%	16.3%	16.6%	17.0%	17.3%	17.7%
Operating Module Temperature	-40 °C ~ +85 °C					
Maximum System Voltage	1000 V DC (TUV)					
Maximum Series Fuse Rating	15 A					
Power Tolerance	0/+3%					

Mechanical Characteristics

Solar Cells	Polycrystalline 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	4.0mm ² , symmetric lengths (-) 1170mm
Connectors	MC4 connectors

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%

Packing Configuration

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

