



GY250M-60 MONOCRYSTALLINE MODULE


245 Watt
250 Watt
255 Watt





Features


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10 Year
10 years warranty on material and workmanship
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15.7%
High module conversion efficiency (up to 15.7%) , through superior manufacturing technology
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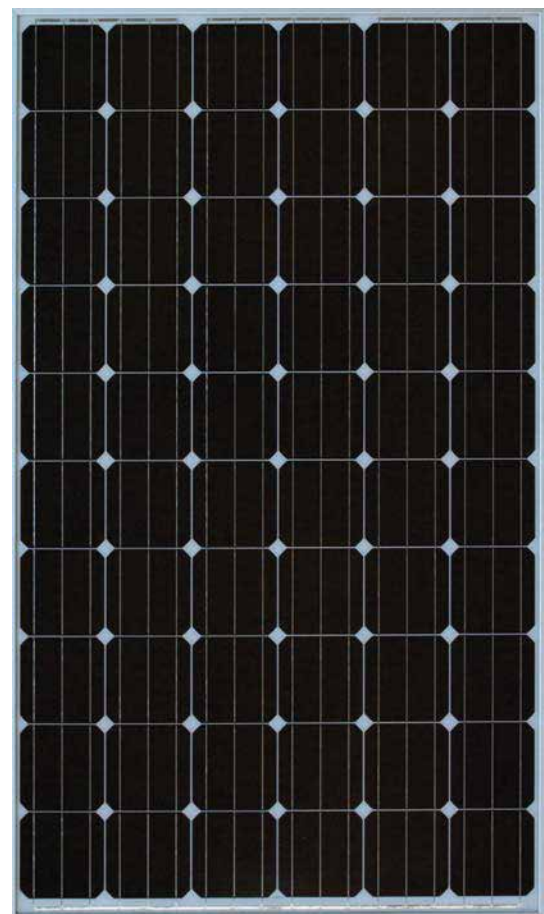
+/- 3%
Guaranteed positive tolerance of $\pm 3\%$ delivers higher outputs reliably
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2400Pa
5400Pa
Module certified to withstand extreme wind (2400 Pascal) and snow loads (5400 Pascal)
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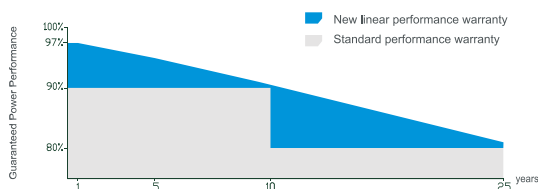
LOW TEMPERATURE
Low nominal operating cell temperature (NOCT) delivers better power and performance over time
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Quality and Environment Management System (ISO9001, ISO14001)
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100%
100% In-line Electroluminescence(EL) tested



Premium Performance Warranty



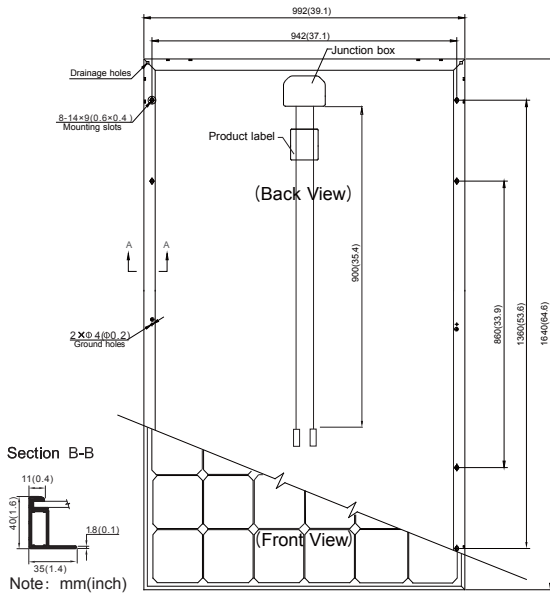
* Based on customer requirements and contract terms

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

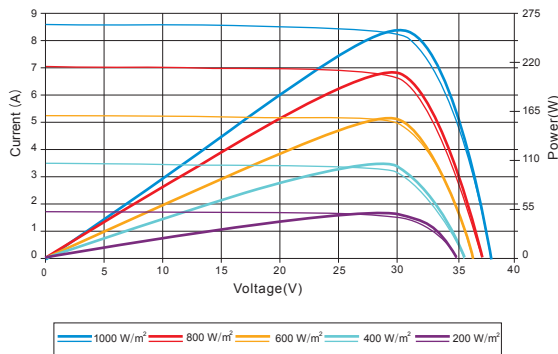


Certifications and standards :
ISO9001:2008, ISO14001:2004 certified factory
IEC61215, IEC61730 certified products

Engineering Drawings

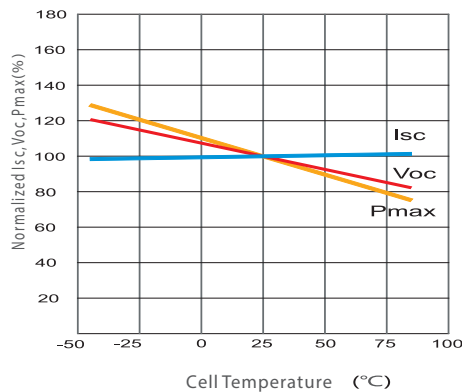


Current-Voltage & Power-Voltage Curve(250W)



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
Module Efficiency	15.2%	15.4%	15.7%
Operating Module Temperature	-40 °C ~ +85 °C		
Maximum System Voltage	1000 V DC (TUV)		
Maximum Series Fuse Rating	15 A		
Power Tolerance	+/-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	1640×992×40mm
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 (-) 900mm
Connectors	MC4 connectors

Packing Configuration

Container	20 ' GP	40 ' HC
Pieces per pallet	26	26
Pallets per container	14	28
Pieces per container	348	728

SUNČANE
ELEKTRANE
PRODAJA • MONTAŽA • KONZALTING

Gsm: +385 91 1414 257
e-mail: mdlazi@gmail.com
Gsm: +385 98 1617 164
e-mail: zabava@vinter.hr

WWW.PAUK-SOLARNEELEKTRANE.HR