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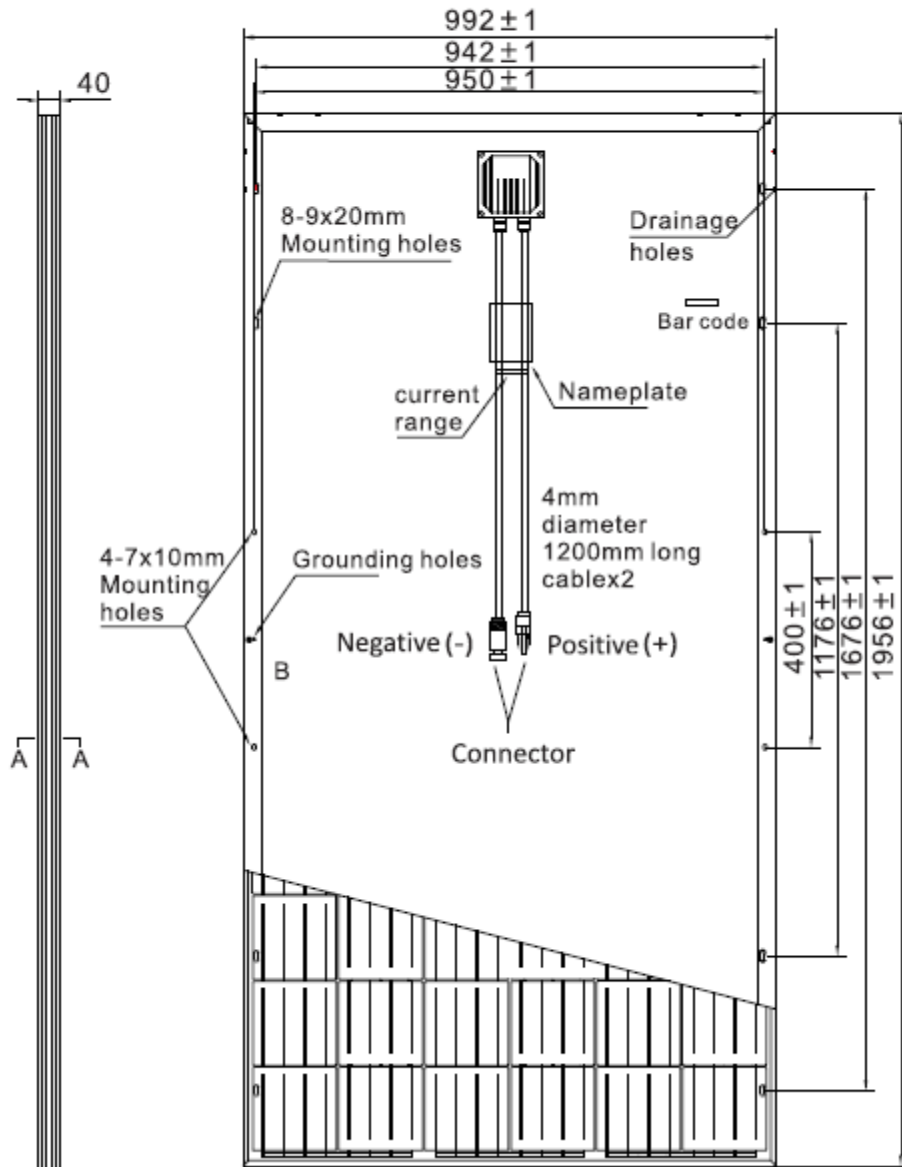
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Product: **280-300-330-Watt Solar Panel**



## Dimension of PV Modules Unit: mm

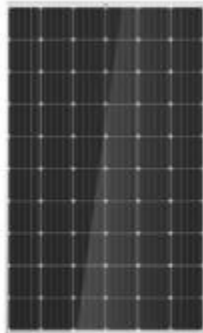


Specification: [www.usaemergencysolarenergy.com](http://www.usaemergencysolarenergy.com)

# SOLAR PANEL

## THE HY6-60-XXXM

FRAMED 60-CELL MODULE



### 60 CELL

Monocrystalline Solar Module

### 275-315W

Power Output Range

### 20.1%

Maximum Efficiency

### 0-+5W

Positive Power Tolerance

#### Features



**High module conversion efficiency**  
Module efficiency up to 20.1% achieved through advanced cell technology and manufacturing capabilities



**Excellent weak light performance**  
Excellent performance under low light conditions



**Positive tolerance**  
Positive tolerance of up to 5W delivers higher outputs reliability



**New sorting process**  
System output maximized by reducing mismatch losses up to 2% with modules sorted & packaged by amperage



**Extended wind and snow load tests**  
Module certified to withstand extreme wind (3800 Pascal) and snow loads (5400 Pascal) \*



**5 bus bar design**  
Five bus bar design enhances cell reliability and reduces series resistance for large fill factor.



Trust Solar to deliver reliable Performance Over Time  
 - The module is made of reliable and carefully selected components.  
 - 25-year output warranty and 10-year workmanship warranty.  
 - Rigorous quality control meeting the highest international standards.  
 - ISO 9001:2008, ISO 14001:2004 and ISO 22000:2005.  
 - Regular independent check production process.  
 - Certification and standards: IEC 61215, IEC 61730, conformity to CE.



**Compact and Durable Frame Design**  
 Solaris's new compact frame design is light weight and easier to handle during installation. The rigid and stable hollow frame guarantees the series connection and reliable performance.

#### Comprehensive Products And System Certificates

IEC 61215/IEC 61730/UL 1709/IEC 61701/IEC 62716  
 ISO 9001: Quality Management System  
 ISO 14001: Environmental Management System  
 ISO 22000: Goodhouse gases Emission Verification  
 OHSAS 18001: Occupation Health and Safety Management System



10 year Product Workmanship Warranty  
 25 year Linear Power Warranty

## Technical data

#### Electrical Characteristics

Parameter	Max. Power	Open Circuit Voltage	Short Circuit Current	Panel Dimensions	Weight
Model	Hy 60	32.4V	9.47A	1640 x 992 x 40mm	18.2kg
HY6-60-275W	275W	31.4	9.74	1640 x 992 x 40mm	18.2kg
HY6-60-285W	285W	31.7	9.84	1640 x 992 x 40mm	18.2kg
HY6-60-295W	295W	31.8	9.87	1640 x 992 x 40mm	18.2kg
HY6-60-305W	305W	32.2	9.81	1640 x 992 x 40mm	18.2kg
HY6-60-315W	315W	32.5	9.88	1640 x 992 x 40mm	18.2kg
HY6-60-300W	300W	32.5	9.78	1640 x 992 x 40mm	18.2kg
HY6-60-305W	305W	32.2	9.88	1640 x 992 x 40mm	18.2kg
HY6-60-312W	312W	31.1	9.87	1640 x 992 x 40mm	18.2kg
HY6-60-315W	315W	31.3	9.88	1640 x 992 x 40mm	18.2kg
Operating Module Temperature	-40 °C to +85 °C				
Maximum System Voltage	1000V DC (MCC)				
Maximum Series Fuse Rating	15A				
Power Tolerance	0-5%				

#### Temperature Characteristics

Normal Operating Cell Temperature	45°C
Temperature Coefficient of Power	-0.43 %/°C
Temperature Coefficient of Voc	-0.33 %/°C
Temperature Coefficient of Isc	0.067 %/°C

#### Mechanical Characteristics

Module Size	Monocrystalline silicon 1640 x 992 mm (64.57 x 39.13 inches)
No. of Cells	60 (6 x 10)
Dimensions	1640 x 992 x 40mm (64.57 x 39.13 x 1.57 inches)
Weight	18.2 kgs (40.1 lbs)
Front Glass	3.2 mm (0.13 inches) tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP67 rated (1 Output diodes)
Cable Glands	IP67, 14.6 mm (0.58 inches) and (4) 10mm (0.39 inches)
Connectors	3 x MC4 PV-2H (1000VDC, 20A)

#### Packing Configuration

Container	28' GP	40' HC
Pieces per pallet	30	20
Pallets per container	6	20
Pieces per container	180	400

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.  
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Price of Product			
EX-Work	Type:	Currency	Qty
	Mono or Poly.	Dollars	1 Piece
Watts:	280-330 Watts		\$230 Each
Supply ability	1000 Pieces	Per Month	Buy Now

**USA EMERGENCY SOLAR ENERGY PLUS LLC**

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