



## MODEL GS-49M-179 - PERC Monocrystalline Silicon



### KEY FEATURES

- 179 watts
- 10.6 lbs
- Rigid
- ¼" thick
- No glass
- Frameless
- No corrosion
- No PID
- No electrical grounding
- 95% light transmission, low glare and UV resistant top cover film

<sup>®</sup>  
*Giga Solar technology is the result of 5 years of development and testing. The module is not IEC/UL certified but it has been successfully tested to IEC standards and test reports are available upon request. US Patent # 9,590,123*

## Giga Solar® PV Module Data - PERC Monocrystalline Cells

### ELECTRICAL DATA @ STC\*

Peak Power	(W)	179
Max Power Voltage (Vmpp)	(V)	19.2
Max Power Current (Impp)	(A)	9.3
Open Circuit Voltage (Voc)	(V)	24.0
Short Circuit Current (Isc)	(A)	9.8
Module Efficiency	(%)	17.7

\*STC: 1000W/m<sup>2</sup>, 25 °C Cell temperature, AMI 1.5. Peak Power +/-2% (Wp)

### MECHANICAL DATA (METRIC)

Weight	(kg)	4.9
Width	(mm)	660
Length	(mm)	1,530
Thickness	(mm)	6.4

### MECHANICAL DATA (IMPERIAL)

Weight	(lb)	10.7
Width	(in)	26.0
Length	(in)	60.2
Thickness	(in)	0.25

### GENERAL DATA

Cell Type	PERC Monocrystalline Si
Cell Size	(mm) 156.75 x 156.75
Cell Format	4 x 9 in series
Module Frame Type	Frameless
Module Color	Black
Junction Boxes Design	3 Bypass diodes
Junction Boxes Type	IP 67 Rated
Junction Boxes Location (Specify)	Back
Cable Connector	MC-4 Compatible
Cable Length ** (mm) / (in)	1000 / 40

\*\* Other Cable lengths available upon request

### TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	°C	47 ± 2
Temperature Coefficient of Power Wp	%/°C	-0.396
Temperature Coefficient of Voltage Vmpp	%/°C	-0.314
Temperature Coefficient of Current Impp	%/°C	0.042

### MAXIMUM RATINGS

Operational Temperature	°C	-40 to 85
Maximum System Voltage	V (DC)	600
Maximum Series Fuse Rating	A	15

### WARRANTY

Manufacturing Warranty	Years	3
Power Output (90%)	Years	5
Power Output (80%)	Years	10

Representative data and subject to change.

Giga Solar modules are not IEC61215 or UL certified.

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