



ECO GREEN ENERGY

72 CELLS

**PHOTOVOLTAIC MODULE MONO
310~350 W OUTPUT POWER**



5 busbars cells, with efficiency up to 20.4 %.



With up to 350 W power and 0~3 % power output tolerance .



IP65 or IP67 junction box for long term weather endurance.



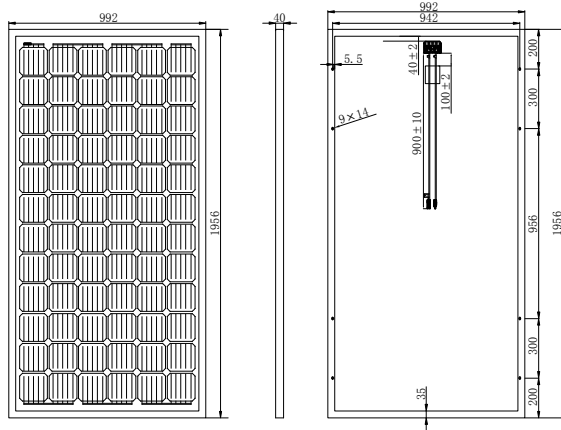
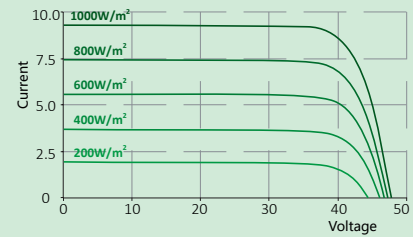
High quality aluminum frame, resisting load up to 5400 Pa and wind pressure up to 2400 Pa.



High transmissivity, low-iron tempered glass.



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Engineering drawings

IV curves

Temperature characteristics

NOCT	45 °C ±2 °C
Temperature coefficient of Pmax	-0.41 %/°C
Temperature coefficient of Voc	-0.31 %/°C
Temperature coefficient of Isc	+0.06 %/°C

Electrical characteristics at STC*

Power output (Pmax)	310 W	315 W	320 W	325 W	330 W	335 W	340 W	345 W	350 W
Panel efficiency	15.98 %	16.23 %	16.50 %	16.75 %	17.01 %	17.27 %	17.52 %	17.78 %	18.04 %
Maximum power voltage (Vmp)	37.04 V	37.06	37.15 V	37.53V	37.88 V	37.93 V	38.54 V	38.41 V	38.71 V
Maximum power current (Imp)	8.36 A	8.45 A	8.52 A	8.61 A	8.68 A	8.75 A	8.82 A	8.98 A	9.04 A
Open circuit voltage (Voc)	45.42 V	45.61 V	45.87 V	45.99 V	46.28 V	46.55 V	46.76 V	46.64 V	46.88 V
Short circuit current (Isc)	8.83 A	8.91 A	8.97 A	9.05 A	9.12 A	9.18 A	9.24 A	9.32 A	9.38 A

*Standard test conditions:
irradiance: 1000 W/m² • cell temperature: 25 °C • AM: 1.5

Electrical characteristics at NOCT*

Power output (Pmax)	231 W	235 W	239 W	242 W	246 W	250 W	254 W	257 W	261 W
Maximum power voltage (Vmp)	29.42 V	34.94 V	35.23 V	35.40 V	35.65 V	35.89 V	36.13 V	36.01V	36.29 V
Maximum power current (Imp)	6.64 A	6.71 A	6.76 A	6.84 A	6.89 A	6.95 A	7.01 A	7.13 A	7.18 A
Open circuit voltage (Voc)	42.12 V	42.30 V	42.54 V	42.65 V	42.92 V	43.17 V	43.36 V	43.25 V	43.48 V
Short circuit current (Isc)	7.18 A	7.24 A	7.29 A	7.36 A	7.42 A	7.46 A	7.51 A	7.58 A	7.63 A

*Nominal operating cell temperature:
irradiance: 800 W/m² • ambient temperature: 20 °C • AM: 1.5 • wind speed: 1 m/s

General characteristics
Operating conditions

Cell type	Monocrystalline (156.75×156.75 mm)	Operating temperature range	-45 °C ~ +85 °C
Number of cells	72	Max system voltage	1000 V
Dimensions	1956×992×40 mm	Max series fuse rating	20 A
Weight	22.8 kg	Max front load (ex: snow)	5400 Pa
Glass	3.2 mm tempered glass	Max back load (ex: wind)	2400 Pa
Frame	Anodized aluminium alloy	Packaging	
Junction box	IP65 or IP67		
Cable	0.9 m		
Connector	MC4 or MC4 compatible		
		Per pallet	26 pcs
		Per 20ft GP container	300 pcs
		Per 40ft GP container	640 pcs
		Per 40ft HQ container	660 pcs