

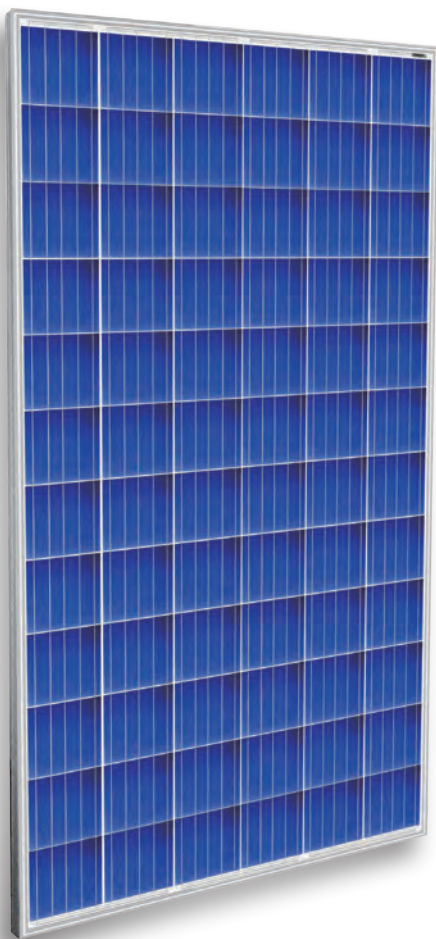


ECO GREEN ENERGY

72 CELLS

PHOTOVOLTAIC MODULE

300~325 W OUTPUT POWER



5 busbars cells, with efficiency up to 19.0 %.



With up to 325 W power and 0~3 % power output tolerance .



IP65 junction box for long term weather endurance.



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

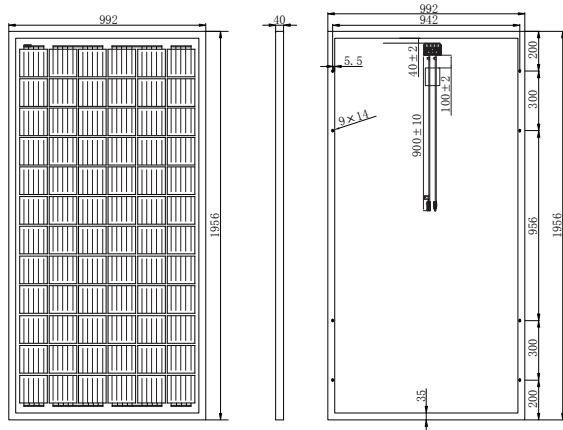


High transmissivity, low-iron tempered glass.

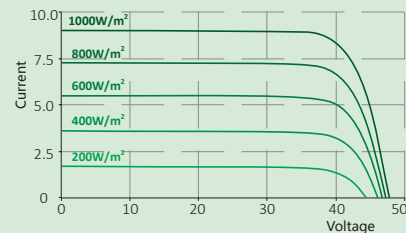


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Engineering drawings



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)	300 W	305 W	310 W	315 W	320 W	325 W
Panel efficiency	15.46 %	15.72 %	15.98 %	16.23 %	16.49 %	16.75 %
Maximum power voltage (Vmp)	36.70 V	36.78 V	36.98 V	37.22 V	37.42 V	37.69 V
Maximum power current (Imp)	8.17 A	8.29 A	8.38 A	8.46 A	8.55 A	8.62 A
Open circuit voltage (Voc)	45.55 V	45.62 V	45.92 V	46.12 V	46.35 V	46.64 V
Short circuit current (Isc)	8.82 A	8.91 A	8.98 A	9.02 A	9.07 A	9.12 A

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

Electrical characteristics at NOCT*

Power output (Pmax)	222 W	226 W	2290 W	233 W	237 W	240 W
Maximum power voltage (Vmp)	33.90 V	33.97 V	34.15 V	34.37 V	34.56 V	34.81 V
Maximum power current (Imp)	6.54 A	6.63 A	6.71 A	6.77 A	6.84 A	6.90 A
Open circuit voltage (Voc)	42.28 V	42.35 V	42.63 V	42.81 V	43.03 V	43.29 V
Short circuit current (Isc)	7.16 A	7.23 A	7.29 A	7.32 A	7.36 A	7.40 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	Polycrystalline (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		
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