

Solar panel

Mono-Crystalline

Technology & Quality

A complete photovoltaic industrial chain.

Solarever Group has a complete photovoltaic industry including silicon ingots, solar cells, solar modules and photovoltaic systems.

Great quality

Supply and processing of material insured for 12 years.

We guarantee our products above 90% power in 12 years and more than 80% in 25 years.



SE-158*158-XXXM-72

380-400 Watts



Quality is our life

Main Features

High efficiency of solar cells that ensure the performance of the solar modules and creates more power during peak hours.

Anti-reflective coating and high glass transmission increase the power output and strength of the solar panel.

Torsion-resistant and corrosion-resistant anodized frame ensures reliable operation even when atmospheric conditions are difficult.

Pre-drilled and lightweight mounting holes for easy installation.

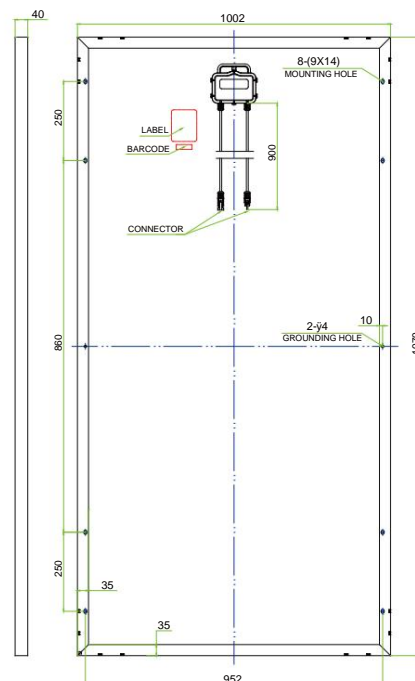
Waterproof connection box.

Specially designed to meet the demands of our customers for residential, commercial and industrial use.

SE-158*158-XXXM-72

Mechanical characteristics

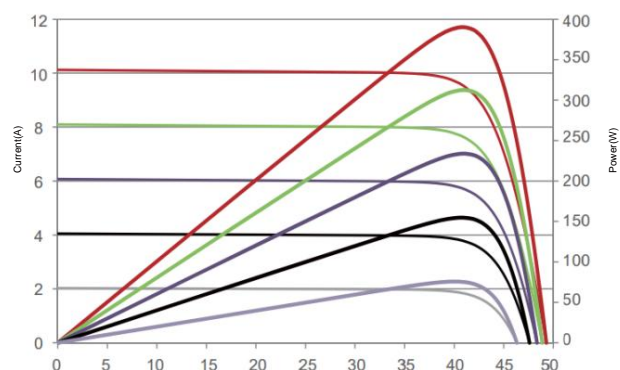
Cell type	Monocrystalline (PERC) 158.75x158.75mm
Number and arrangement of cells	6x12(72pcs)
Dimensions	1979x1002x40mm
Weight	22.5Kg
Front glass	3.2mm tempered glass
Frame	Anodized aluminum alloy
Encapsulation	Crystal/EVA/Cell/ EVA/TPT
RH	0 to 100%
Endurance	A 227g steel ball falling from 1m height and 60m/s wind
Snow load parameters	5400Pa



Temperature Coefficients

Nominal operating temperature in the cell	$45\pm 2\text{ }^\circ\text{C}$
Maximum power temperature	$-(0.370\pm 0.05)\%/K$
Open Circuit Voltage Temperature	$-(0.280\pm 0.02)\%/K$
Short Circuit Current Temperature	$+(0.048\pm 0.005)\%/K$
Maximum fuse current	20 A

Characteristic curve IV



Electrical Characteristics

Features(XXX)	380	385	390	395	400
open circuit voltage	48.9	49.1	49.3	49.5	49.8
Short circuit current	9.75	9.92	10.12	10.23	10.36
Optimal circuit voltage	40.5	40.8	41.1	41.4	41.7
Optimal circuit current	9.39	9.44	9.49	9.55	9.60
Maximum operating power in STC	380W	385W	390W	395W	400W
Module efficiency	19.16%	19.42%	19.67%	19.91%	20.16%
Operating temperature	$-40\text{ }^\circ\text{C}$ to $+85\text{ }^\circ\text{C}$				
Maximum system voltage	1000V DC				
Output Power Tolerance	0~+5W				
STC: Irradiation 1000W/m ² , module temperature 25°C, AM (air mass)=1.5					

* Power test tolerance: $\pm 3\%$