

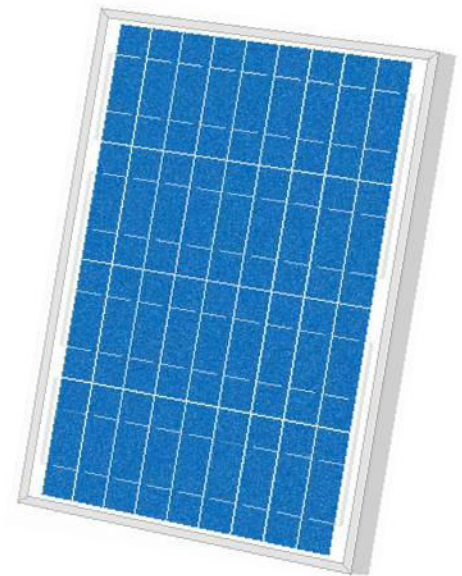


# 50W Polycrystalline Solar Panels

## ELECTRICAL SPECIFICATIONS

\*STC : Irradiance 1000W/m<sup>2</sup>, AM1.5 spectrum, module temperature 25°C

Model Type	CSS-PSP-050
Peak power (Pmax)	50W
Cell Efficiency	16.08%
Maximum power voltage (Vmp)	17.8V
Maximum power current (Imp)	2.81A
Open circuit voltage (Voc)	21.9V
Short circuit current (Isc)	3.02A
Power Tolerance	±3%
Maximum system voltage	800V
Series fuse rating (A)	7
Number of bypass diode	2

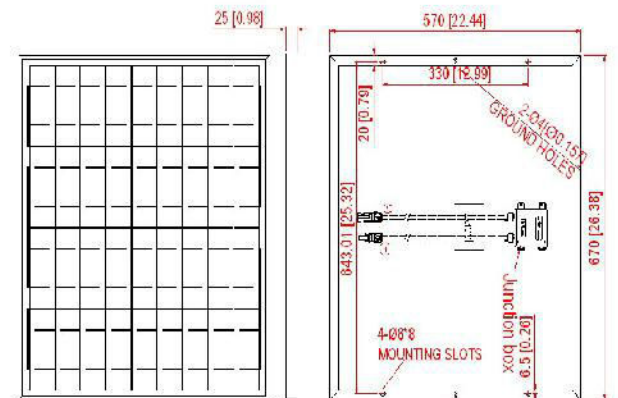


## TEMPERATURE COEFFICIENTS

Current Temperature Coefficient α(Isc)	0.08%/°C
Voltage Temperature Coefficient β(Voc)	- 0.32%/°C
Power Temperature Coefficient γ(Pmax)	-0.38%/°C

## MECHANICAL CHARACTERISTICS

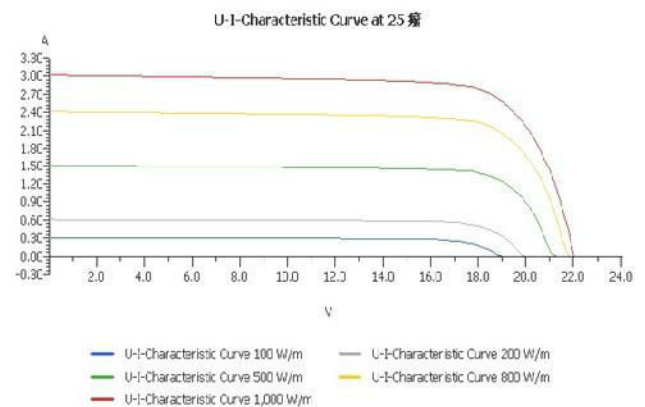
- Dimensions:** 570 x 670 x 25mm (22.44 x 26.38 x 0.98 inch)
- Weight:** 4.30 kg (9.46 lbs)
- Solar Cells:** 36 cells in series (4x9)
- Construction:** High-transmission low-iron tempered glass, EVA, TPT
- Frame:** Anodized aluminum is mainly for improving corrosion resistance. Color: silver



MODULE DIAGRAM

## OUTPUT (OPTIONAL)

- Cable:** LAPP (4mm<sup>2</sup>)
- Lengths:** 900mm(-) and 900(+)
- Connector:** MC Plug Tyle IV



ELECTRICAL PERFORMANCE

