

# SP100M-36

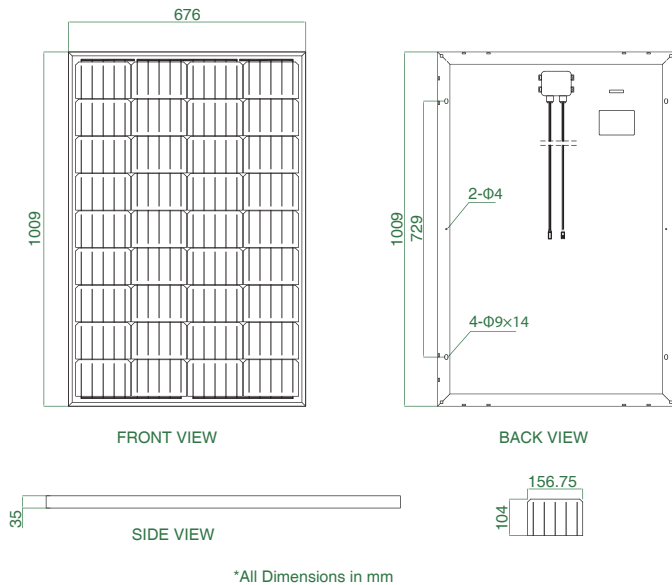
High Efficiency Monocrystalline PV Module

Electrical Data	SP100M-36
Maximum power (Pmax)	100W
Voltage at Pmax (Vmp)	18.29V
Current at Pmax (Imp)	5.47A
Open-circuit voltage (Voc)	22.80V
Short-circuit current (Isc)	5.85A
Temperature coefficient of Voc	-(80±10)mV/°C
Temperature coefficient of Isc	(0.065±0.015)%/°C
Temperature coefficient of power	-(0.5±0.05)%/°C
NOCT (Air 20°C; Sun 0.8kW/m <sup>2</sup> wind 1m/s)	47±2°C
Operating temperature	-40°C to 85°C
Maximum system voltage	1000V DC
Power tolerance	+ 3%

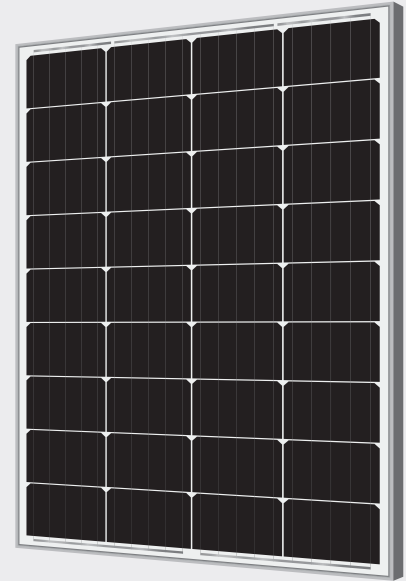
\* STC: Irradiance 1000W/m<sup>2</sup>, AM1.5 spectrum, module temperature 25°C

\* NOCT: Nominal operating cell temperature (the data is only for reference)

## Dimensions Of PV Module



Specifications	SP100M-36
Cells	Mono 156.75×104 mm
No. of cells and connections	36(4×9)
Module dimension	1009×676×35 mm 39.72×26.61×1.38 inch
Weight	7.8 kg
No. of Mounting Holes	4
No. of Waterspout Holes	16



**25** 25-year guarantee for 80% rated power

**10** 10-year product workmanship

**10** 10-year guarantee for 90% rated power

## Features

- Excellent power generation performance
- Nominal 12V DC for standard output.
- Heavy-duty anodized frames.
- High transparent low-iron, tempered glass.

## Applications

- Traffic & Safety
- Federal Government
- Agricultural
- Security
- Telecommunications
- Water and Wastewater
- Weather & Environmental Monitoring
- RV Camper
- Emergency Power
- Telemetry

## Characteristics

