

# SP100P-36

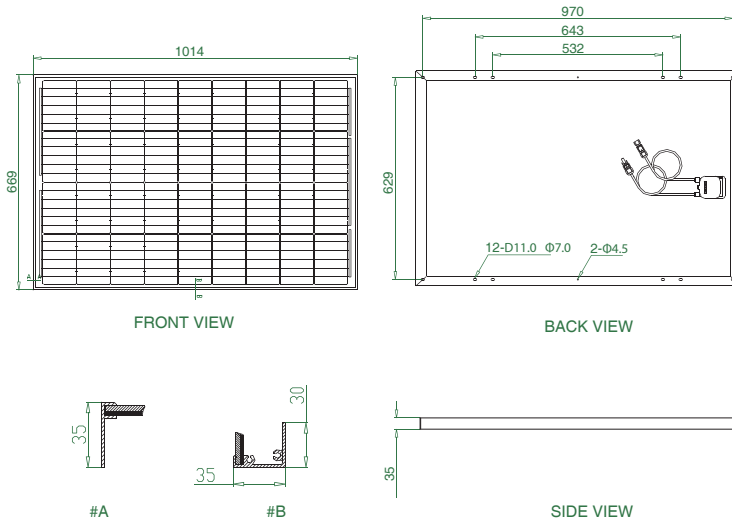
High Efficiency Polycrystalline PV Module

Electrical Data	SP100P-36
Maximum power (Pmax)	100 W
Voltage at Pmax (Vmp)	18.6 V
Current at Pmax (Imp)	5.38 A
Open-circuit voltage (Voc)	22.8 V
Short-circuit current (Isc)	5.76 A
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

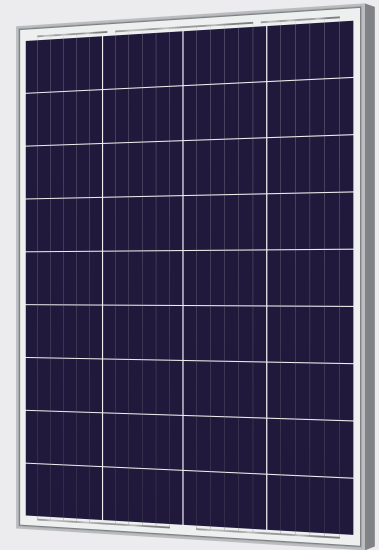
\* NOCT: Nominal operating cell temperature (the data is only for reference)

## Dimensions Of PV Module



\*All Dimensions in mm

Mechanical Data	SP100P-36
Cells	Poly 156.75 × 104 mm
No. of cells and connections	36 (4 × 9)
Module dimension	1014 × 669 × 35 mm 39.9 × 26.3 × 1.38 inch
Weight	7.5 kg
No. of Mounting Holes	4



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

**10** 10-year product workmanship warranty

**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

## Certificates

