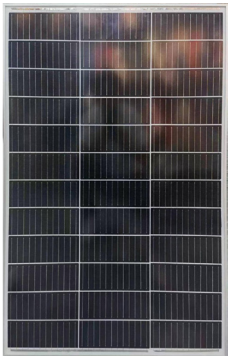




## PERC MONOCRYSTALLINE SOLAR PANEL PVS-100W/120W-36M



### Introduction:

Redefined the high-efficiency module series by integrating 210mm silicon wafers with PERC cell technologies. Our panel combined creative technology effectively and extremely improved the module efficiency and power output.

### Key Features:

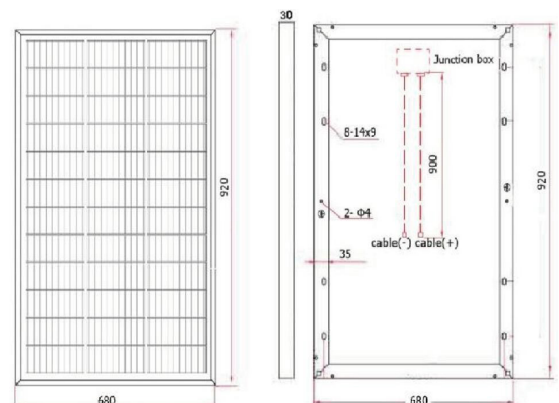
- Less mismatch to get more power
- Less power loss by minimizing the shading impact
- Competitive low light performance
- 3 times EL test to ensure best quality
- Anti-PID
- Ideal choice for utility and commercial scale projects by reduced BoS and improved ROI
- Outstanding reliability proven by PVEL for stringent Environment condition: Sand, acid, salt and hail stones, 2400Pa wind load and 5400Pa snow load

**Electrical Characteristics:** STC: Irradiance 1000 W/m<sup>2</sup> module temperature 25 C AM=1.5

Module Type	PVS-100W-36M	PVS-105W-36M	PVS-110W-36M	PVS-115W-36M	PVS-120W-36M
Maximum Power (Pmp)	100W	105W	110W	115W	120W
Open Circuit Voltage (Voc)	23.14V	23.40V	23.66V	23.92V	24.18V
Short Circuit Current (Isc)	7.31A	7.60A	7.87A	8.13A	8.40A
Maximum Power Voltage (Vmp)	17.80V	18.00V	18.20V	18.4V	18.60V
Maximum Power Current (Imp)	5.62A	5.84A	6.05A	6.25A	6.46A
Module Efficiency at STC(%)	15.99%	16.78%	17.58%	18.38%	19.18%
Maximum System Voltage	1500VDC				
Maximum Series Fuse Rating	15A				
Power Tolerance	0~+3%				

### Mechanical Specifications:

External Dimensions	920x680x30 mm
Solar Cells	210mm*70mm (36cells)
Front Glass	3.2mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP65 with bypass diodes
Output Cables	2.5mm <sup>2</sup> 900mm
Weight	8kg (Approximate)
Mechanical Load	Front side 5400Pa Rear side 2400Pa



### Temperature ratings (STC):

Temperature Coefficient of Isc	+0.050%/°C
Temperature Coefficient of Voc	-0.230%/°C
Temperature Coefficient of Pmax	-0.290%/°C

### Product warranty:

15 years guarantee on product material and workmanship  
 25 years guarantee on Liner power output

**Quality Standard:** IEC61215-1-1:2021, IEC61730-1 :2018, IEC61730-2:2018, Fire safety Class C