



N-TYPE MONOCRYSTALLINE SOLAR PANEL PVS-450W/460W-M10HDT



Introduction:

Redefined the high-efficiency module series by integrating 182mm silicon wafers with TOPCON N Type cell technologies. Our panel combined creative technology effectively and extremely improved the module efficiency and power output.

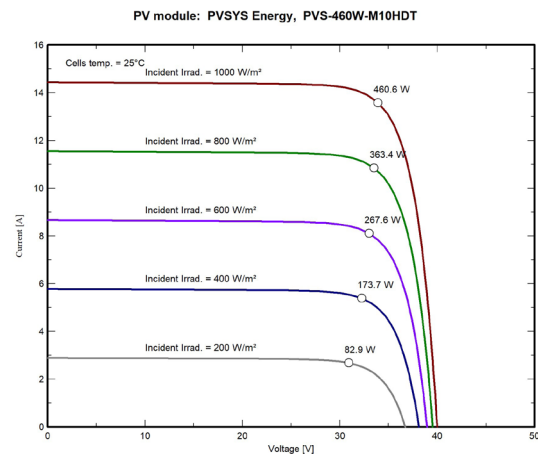
Key Features:

- 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/m² module temperature 25 C AM=1.5

Module Type	PVS-450W-M10HDT	PVS-460W-M10HDT
Maximum Power (Pmp)	450W	460W
Open Circuit Voltage (Voc)	39.58V	39.99V
Short Circuit Current (Isc)	14.35A	14.43A
Maximum Power Voltage (Vmp)	33.20V	33.60V
Maximum Power Current (Imp)	13.56A	13.69A
Module Efficiency at STC(%)	22.70%	23.10%
Maximum System Voltage	1500VDC	
Maximum Series Fuse Rating	25A	
Power Tolerance	0~+3%	

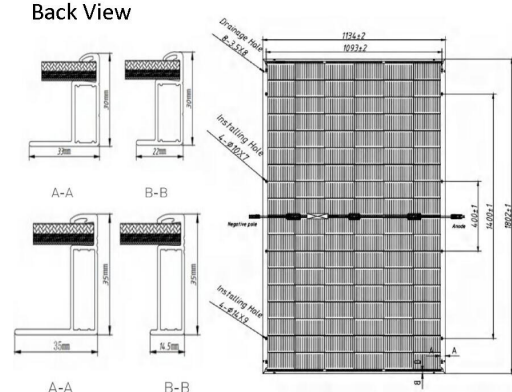
Current-Voltage Characteristic (I-V Curve)



Mechanical Specifications:

External Dimensions	1802x1134x30 mm
Solar Cells	Mono 108cells
Front Glass	3.2mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 diodes
Output Cables	4.0mm ²
Weight	30.4kg
Mechanical Load	Front side 5400Pa Rear side 2400Pa
Packing	36pcs/pallet, 828pcs/40HQ

Back View



Temperature ratings (STC):

Temperature Coefficient of Isc	+0.046%/°C
Temperature Coefficient of Voc	-0.250%/°C
Temperature Coefficient of Pmax	-0.300%/°C

Product warranty:

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

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