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HPBC MONOCRYSTALLINE SOLAR PANEL

PVS-590W/600W-M10HDT

Introduction:

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

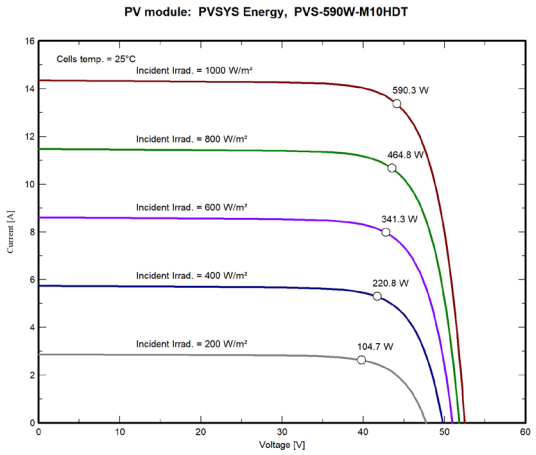
Key Features:

- 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 projectsby 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

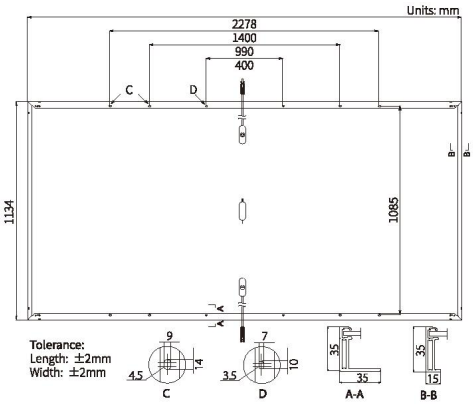
Module Type	PVS-590W-M10HDT	PVS-600W-M10HDT
Maximum Power (Pmp)	585W	600W
Open Circuit Voltage (Voc)	52.49V	52.79V
Short Circuit Current (Isc)	14.34A	14.47A
Maximum Power Voltage (Vmp)	44.38V	44.68V
Maximum Power Current (Imp)	13.30A	13.43A
Module Efficiency at STC(%)	22.8%	23.2%
Maximum System Voltage	1500VDC	
Maximum Series Fuse Rating	25A	
Power Tolerance	0~+3%	

Current-Voltage Characteristic (I-V Curve)



Mechanical Specifications:

External Dimensions	2278x1134x35 mm
Solar Cells	Mono 144cells(6*24)
Front Glass	3.2mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 diodes
Output Cables	4.0mm2
Weight	27.5kg
Mechanical Load	Front side 5400Pa Rear side 2400Pa
Packing	31pcs/pallet, 620pcs/40HQ



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