

SOLAR PANEL PVS-545W/550W-M10H







PERC Monocrystalline solar panel PVS-545W/550W-M10H



Redefined the high-efficiency module series by integrating 182mm silicon wafers with multi-busbar and half-cut 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
-  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
Anti-PID

Certification:

CE

IEC61215-1-1:2021

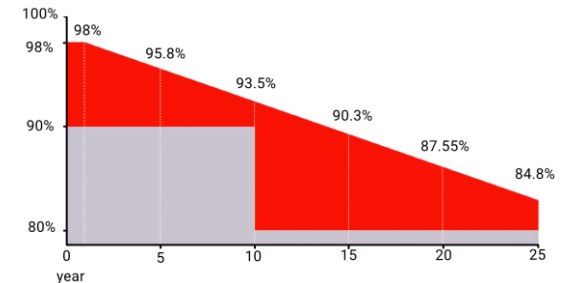
IEC61730-1:2018

IEC61730-2:2018

Fire safety Class C

WARRANTY:

Additional value from linear warranty



Guarantee on product material and workmanship



Liner power output warranty

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Electrical Characteristics:

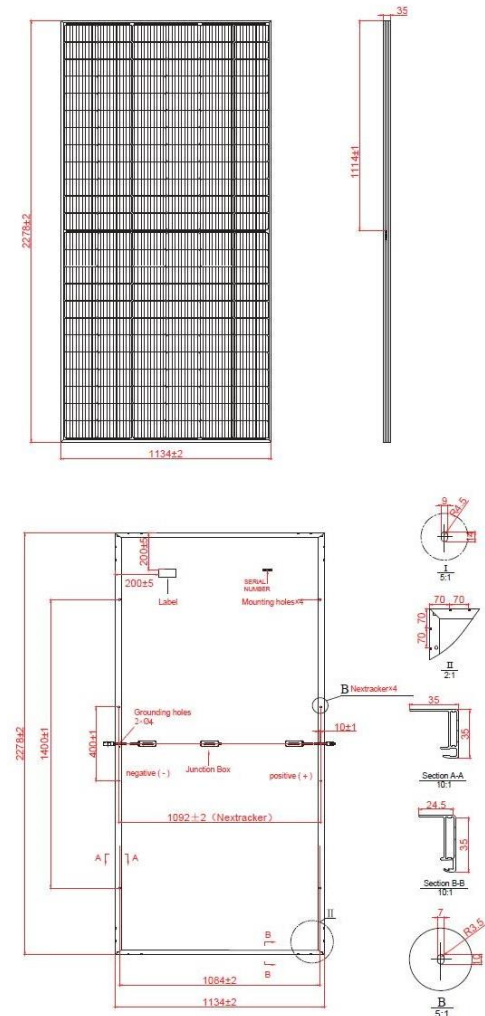
Module Type	PVS-545W-M10H	PVS-550W-M10H
Maximum Power (Pmp)	545W	550W
Open Circuit Voltage (Voc)	49.60V	49.70V
Short Circuit Current (Isc)	13.90A	14.00A
Maximum Power Voltage (Vmp)	41.80V	42.05V
Maximum Power Current (Imp)	13.04A	13.08A
Module Efficiency at STC(η_m)	21.10%	21.29%
Power Tolerance	(0,+3%)	
Maximum System Voltage	1500VDC	
Maximum Series Fuse Rating	25A	
STC: Irradiance 1000 W/m ² module temperature 25° C AM=1.5 Power measurement tolerance: +/-3%		

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Mechanical Specifications:

External Dimensions	2278x1134x35 mm
Weight	27 kg
Solar Cells	PERC Mono (144pcs)
Front Glass	3.2mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 diodes
Output Cables	4.0mm ²
Mechanical Load	Front side 5400Pa Rear side 2400Pa



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Temperature Characteristics:

Pmax Temperature Coefficient	-0.35 %/° C
Voc Temperature Coefficient	-0.27 %/° C
Isc Temperature Coefficient	+0.05 %/° C
Operating Temperature	-40~+85 ° C
NOCT	45±2 ° C

Packing Configuration:

Container	20'GP	40'HQ
Pieces per Pallet	31+4	31
Pallets per Container	4	20
Pieces per Container	140	620

I-V Curve

