



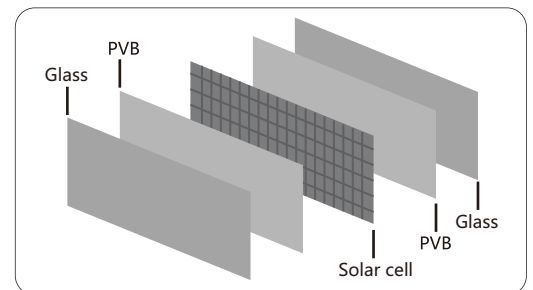
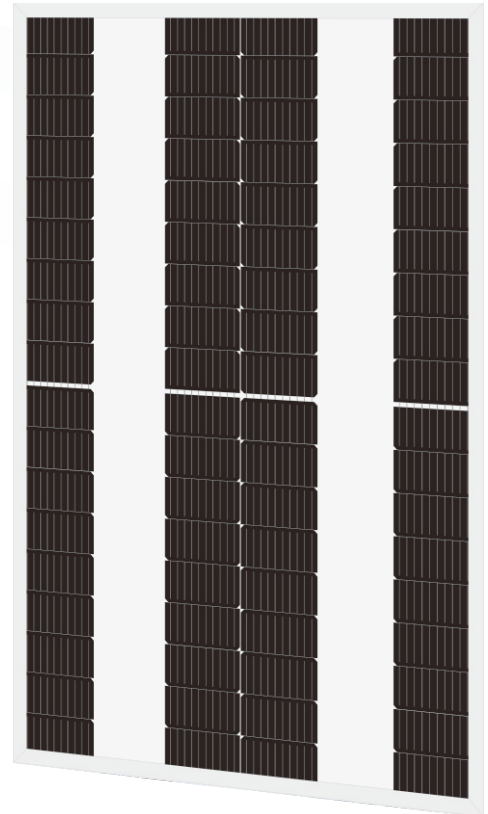
PERLIGHT SOLAR
Powering Possibilities

PLM-280DH8N-72

Transmission Panel

Building integrated transparent modules

TRANSMITTANCE $\geq 30\%$



Agricultural buildings
Greenhouses
Traditional buildings

Capture the sun and let the light in at the same time.

Customisable Transmission level.

Perfect combination of modern technology and architecture.



**Product
Warranty**



**Power
Warranty**



Insurance

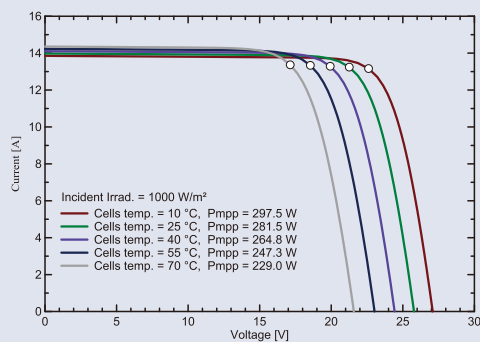
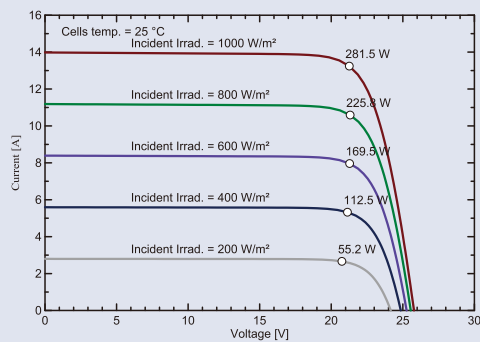
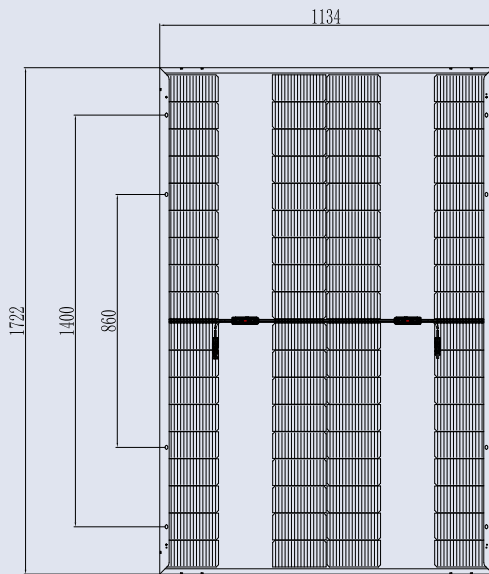


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PERLIGHT SOLAR
Powering Possibilities



Perlight Partners

Electrical Properties (STC*)

Power Output (Wp)	275	280	285	290
Voltage Mpp-Vmpp (V)	20.65	20.88	21.11	21.34
Current Mpp-Impp (A)	13.32	13.41	13.50	13.59
Voltage Open Circuit-Voc (V)	24.78	25.06	25.34	25.62
Short Circuit Current-Isc (A)	14.29	14.32	14.35	14.38

*STC: Irradiance 1000W/m², Cell Temperature 25°C, AM 1.5
Power Tolerance: ± 3%

Electrical Characteristics (NMOT*)

Power Output (Wp)	209.07	212.82	216.62	220.42
Voltage Mpp-Vmpp (V)	19.47	19.69	19.91	20.12
Current Mpp-Impp (A)	10.74	10.81	10.88	10.95
Voltage Open Circuit-Voc (V)	23.65	23.91	24.18	24.45
Short Circuit Current-Isc (A)	11.52	11.54	11.57	11.59

*NMOT: Irradiance 800W/m², Environment Temperature 20°C, Air Mass AM 1.5. Wind Speed 1m/s

Mechanical Properties

Cell Size	182mm×91mm
Number of Cells	72 [4×18]
Module Dimension	1722×1134×30mm(L×W×H)
Weight	25Kg
Glass	Double Glass 2mm
Frame	Anodized Aluminium Alloy
Junction Box	IP 68 (2 Diodes)
Cable Length	TUV 1×4.0 mm ² , (+):1200mm/(-):1200mm or Customized Length
Connector	Stäubli MC4 EVO 2A

Temperature Ratings

Isc Temperature Coefficient	+0.046%/°C
Voc Temperature Coefficient	-0.25%/°C
Pmax Temperature Coefficient	-0.30%/°C
Nominal Operating Cell Temperature (NOCT)	45±2°C

Working Conditions

Max. system voltage	DC1500V
Limiting reverse current	25A
Operating temperature range	-40°C~85°C
Max. static load front (e.g., snow)	5400Pa
Max. static load back (e.g., wind)	2400Pa
Safety Class	II

Packaging Configuration

Container	40'HQ
Pieces Per Pallet	36
Pallets Per Container	26
Pieces Per Container	936