



**PERLIGHT SOLAR**  
*Powering Possibilities*

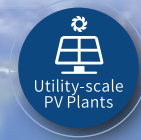
PERLIGHT SOLAR CO.,LTD.

[www.perlight.com](http://www.perlight.com)

# PLM-710DH2N-132

**N-type Half-cell  
Bifacial Module**

Power Range 690W-710W



Utility-scale  
PV Plants



**30**  
YEAR  
Materials  
Warranty



**30**  
YEAR  
Power  
Warranty

High Power Output  
Low LCOE

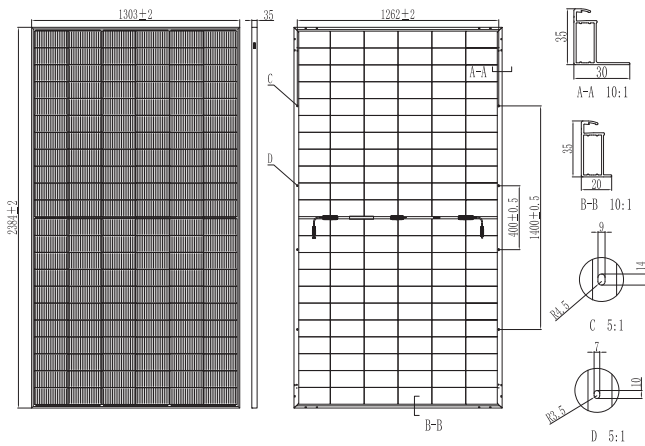


Maximum Power  
710W+





**Drawings (Unit: mm)**



**Mechanical Parameters**

Cells	TNC (N Type Monocrystalline Cell)
Cell Orientation	132[6X22]
Dimension	2384±2 X 1303±2 x 35mm
Weight	38.3kg
Front Glass	2.0mm high transmittance, AR semi-tempered glass
Rear Glass	2.0mm semi-tempered glass
Frame	Anodized aluminum alloy frame
Junction Box	IP68, 3 diodes
Output Cable	4.0mm <sup>2</sup>
Cable Length	+400mm,-200mm,length can be customized
Wind / Snow Load	2400Pa/5400Pa
Packaging	31pcs per pallet, 558pcs per 40'HC

**Electrical Characteristics (STC)**

Maximum Power: Pmax [W]	690	695	700	705	710
Open Circuit Voltage: Voc [V]	47.85	48.00	48.15	48.30	48.45
Short Circuit Current: Isc [A]	18.26	18.30	18.34	18.38	18.42
Voltage at Maximum Power: Vmp [V]	40.10	40.30	40.50	40.70	40.90
Current at Maximum Power: Imp [A]	17.21	17.25	17.29	17.33	17.37
Module Efficiency: η [%]	22.2	22.4	22.5	22.7	22.9

**Electrical Characteristics (NMOT)**

Maximum Power: Pmax [W]	519	523	526	530	534
Open Circuit Voltage: Voc [V]	45.46	45.60	45.74	45.89	46.03
Short Circuit Current: Isc [A]	14.74	14.77	14.81	14.84	14.87
Voltage at Maximum Power: Vmp [V]	37.37	37.55	37.68	37.89	38.09
Current at Maximum Power: Imp [A]	13.89	13.93	13.96	13.99	14.02

\*STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass1.5, Measuring Tolerance: ±3%  
\*NMOT: Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Air Mass1.5, Wind Speed 1m/s

**Electrical Characteristics (Rear Power Gain)**

5%	Maximum Power: Pmax [W]	724	729	735	740	746
	Module Efficiency: η [%]	23.3	23.5	23.7	23.8	24.0
15%	Maximum Power: Pmax [W]	793	799	805	810	817
	Module Efficiency: η [%]	25.5	25.7	25.9	26.1	26.3
25%	Maximum Power: Pmax [W]	862	868	875	881	887
	Module Efficiency: η [%]	27.7	27.9	28.2	28.4	28.6

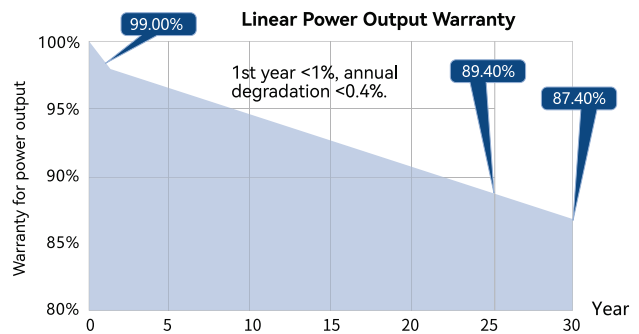
**Temperature Parameters**

Temperature Coefficient (Pmax)	-0.30%/°C
Temperature Coefficient (Voc)	-0.25%/°C
Temperature Coefficient (Isc)	+0.046%/°C
NMOT	45±2°C

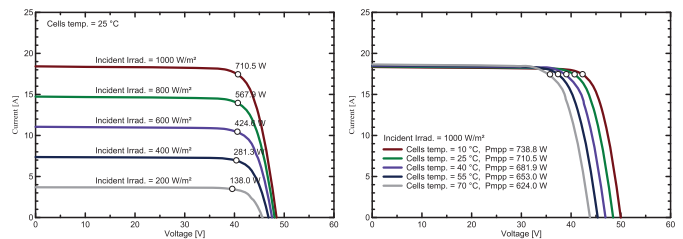
**Maximum Ratings**

Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	35A
Power Output Tolerance	±3%
Maximum Bifaciality	80±5%

**Warranty**



**I-V Curve**



**Certifications**

**Quality Management System and Product Certification**

ISO 9001:2015 / quality management system  
ISO 14001:2015 / environmental management system  
ISO 45001:2018 / occupation health safety management system  
IEC 61215/61730



More Than 40 Years Manufacturing  
Experience Of Baolite Group Since 1982

