



PERLIGHT SOLAR
Powering Possibilities

PERLIGHT SOLAR CO.,LTD.

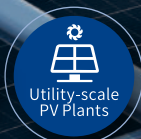
www.perlight.com

**N-type Half-cell
Monofacial Module**

PLM-625H8NH-132 SERIES



Commercial
Rooftop



Utility-scale
PV Plants



12
YEAR
Materials
Warranty



25
YEAR
Power
Warranty

High Power Output
Low LCOE

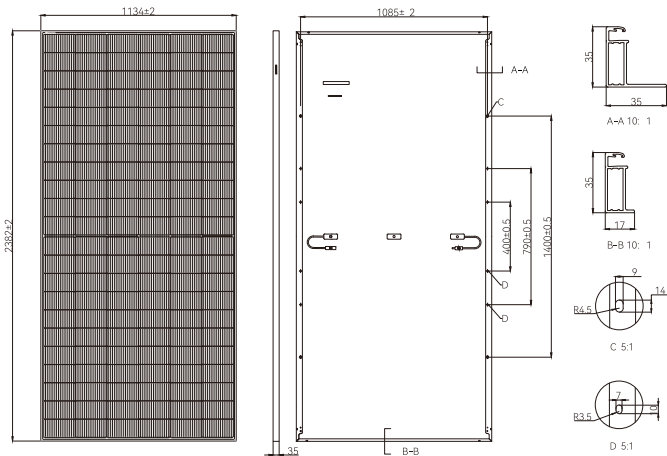


Maximum Power
625W+





Drawings (Unit: mm)



Electrical Characteristics (STC)

Maximum Power: Pmax [W]	615	620	625
Open Circuit Voltage: Voc [V]	48.00	48.20	48.40
Short Circuit Current: Isc [A]	15.90	15.95	16.00
Voltage at Maximum Power: Vmp [V]	41.05	41.25	41.45
Current at Maximum Power: Imp [A]	14.99	15.04	15.08
Module Efficiency: η [%]	22.8	23.0	23.1

Electrical Characteristics (NMOT)

Maximum Power: Pmax [W]	462	466	470
Open Circuit Voltage: Voc [V]	45.60	45.79	45.98
Short Circuit Current: Isc [A]	12.84	12.88	12.92
Voltage at Maximum Power: Vmp [V]	38.19	38.39	38.62
Current at Maximum Power: Imp [A]	12.10	12.14	12.17

*STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5, Measuring Tolerance: $\pm 3\%$
*NMOT: Irradiance 800W/m², Ambient Temperature 20°C, Air Mass 1.5, Wind Speed 1m/s

Temperature Parameters

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

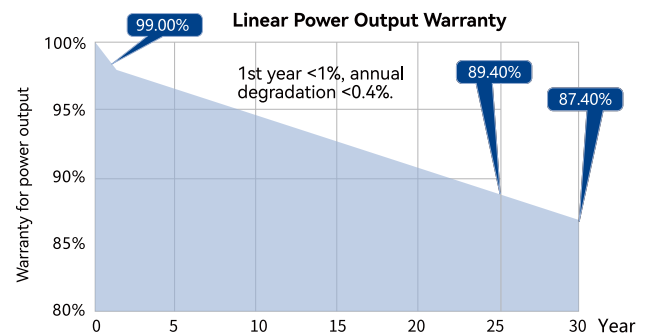
Maximum Ratings

Operational Temperature	-40°C ~ +85°C
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	25A
Power Output Tolerance	$\pm 3\%$

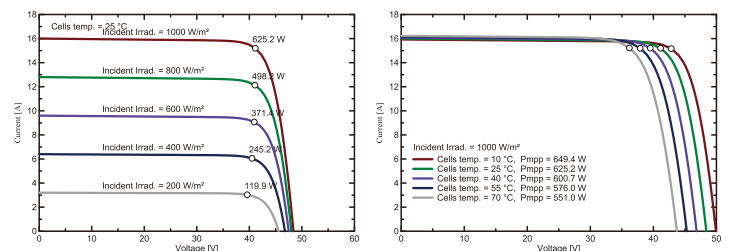
Mechanical Parameters

Cells	N Type Monocrystalline Cell
Cell Orientation	132[6X22]
Dimension	2382 $\pm$ 2X1134 $\pm$ 2x35mm
Weight	29.0kg
Front Glass	3.2mm high transmittance, AR coated tempered glass
Backsheet	White
Frame	Anodized aluminum alloy frame
Junction Box	IP68, 3 diodes
Output Cable	4.0mm ²
Cable Length	+400mm,-200mm or $\pm$ 1400mm,length can be customized
Wind / Snow Load	2400Pa/5400Pa
Packaging	31pcs per pallet, 620pcs per 40'HC

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

