



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

**PLM-625DH8NH-132 SERIES**



**Bifacial Cell**

- Extra energy generated from the backside of the cell depending on albedo



**Fire Rating**

- Class A



**Pfas Free**

- Product free from perfluoroalkyl and polyfluoroalkyl substances



**Sustainable Product**

- High percentage of recyclable materials

High Power Output  
Low LCOE



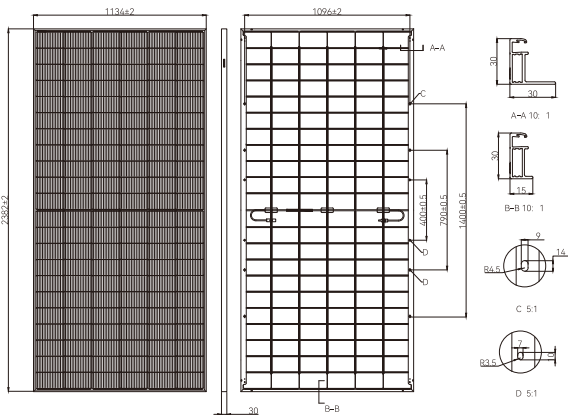
Maximum Power  
625W+



- 1% First year degradation
- 0.4% Annual degradation
- 87.4% Power in year 30



**Drawings (Unit: mm)**



**Mechanical Parameters**

Cells	N Type Monocrystalline Cell
Cell Orientation	132[6X22]
Dimension	2382±2X1134±2x30mm
Weight	32.5kg
Front Glass	2.0mm high transmittance, 2mm anti-reflective surface tempered solar 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	36pcs per pallet, 720pcs per 40'HC

**Electrical Characteristics (STC)**

Maximum Power: Pmax [W]	620	625	630
Open Circuit Voltage: Voc [V]	49.10	49.30	49.50
Short Circuit Current: Isc [A]	16.06	16.12	16.18
Voltage at Maximum Power: Vmp [V]	40.82	40.96	41.10
Current at Maximum Power: Imp [A]	15.19	15.26	15.33
Module Efficiency: η [%]	22.95	23.13	23.32

**Electrical Characteristics (NMOT)**

Maximum Power: Pmax [W]	468	472	476
Open Circuit Voltage: Voc [V]	46.74	46.93	47.12
Short Circuit Current: Isc [A]	12.97	13.01	13.06
Voltage at Maximum Power: Vmp [V]	38.18	38.32	38.45
Current at Maximum Power: Imp [A]	12.26	12.32	12.38

\*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 Properties (BSTC\*) Bifacial gain > 10%**

Power Output [Wp]	684.60	690.20	695.40
Voltage Mpp-Vmpp [V]	40.82	40.96	41.10
Current Mpp-Imp [A]	16.77	16.85	16.92
Voltage Open Circuit-Voc [V]	49.10	49.30	49.50
Short Circuit Current-Isc [A]	17.73	17.80	17.86
Module Efficiency [%]	25.34	25.55	25.74

\*BSTC: Front side irradiance 1000W/m<sup>2</sup>, back side reflection irradiation 135W/m<sup>2</sup>, AM=1.5, ambient temperature 25°C  
\*Bifaciality=Pmax, rear/Rated Pmax, front

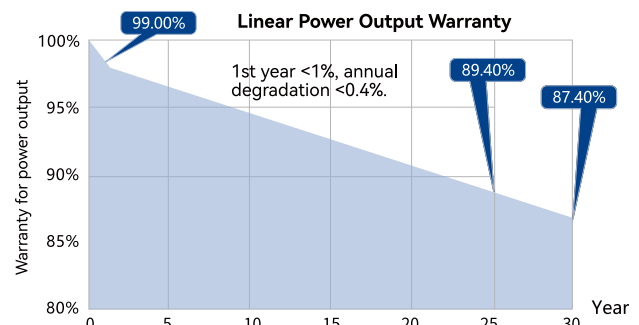
**Temperature Parameters**

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

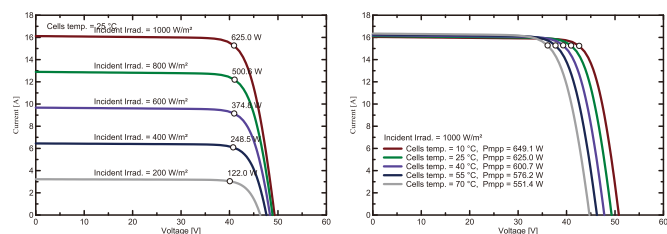
**Maximum Ratings**

Operational Temperature	-40°C ~ +85°C
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	30A
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

