

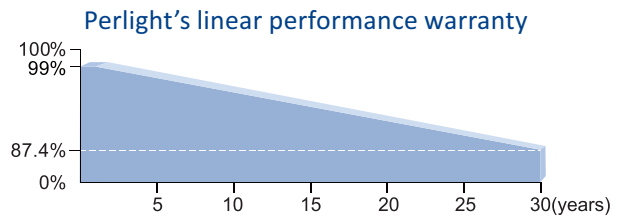
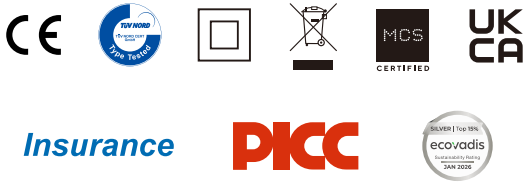
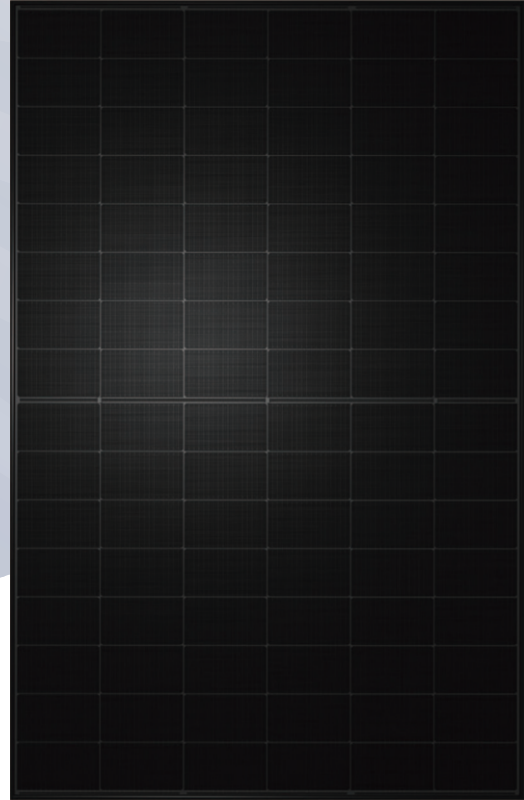


PERLIGHT SOLAR
Powering Possibilities

PLM-460DH8NHB-96 SERIES

Double Glass

Half-Cell Mono Black Module
Power Range 460W-475W



26.2%

MAX MODULE EFFICIENCY
AFTER INSTALLED
UNDER BSTC

15

YEARS LIMITED
PRODUCT WARRANTY

30

YEARS PERFORMANCE
WARRANTY



High Power Output

- Better light trapping and current collection to improve module power output and reliability



Outstanding Low Light Performance

- Higher power output even under low-light environments like on cloudy or foggy days



Low LID (Light Induced Degradation)

- Low LID naturally which can increase power generation



Better Temperature Coefficient

- Higher power generation under working conditions, thanks to passivating contact cell technology



PID Resistance

- Excellent Anti-PID performance guarantee via optimized mass-production process and materials control



Enhanced Mechanical Load

- Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal)

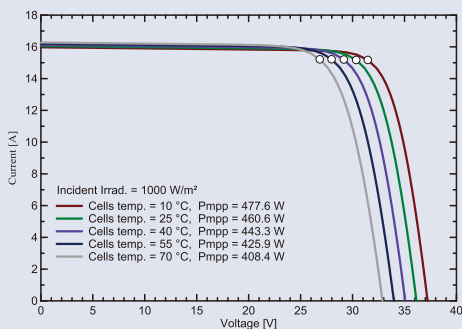
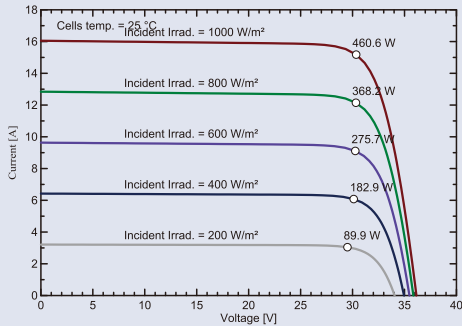
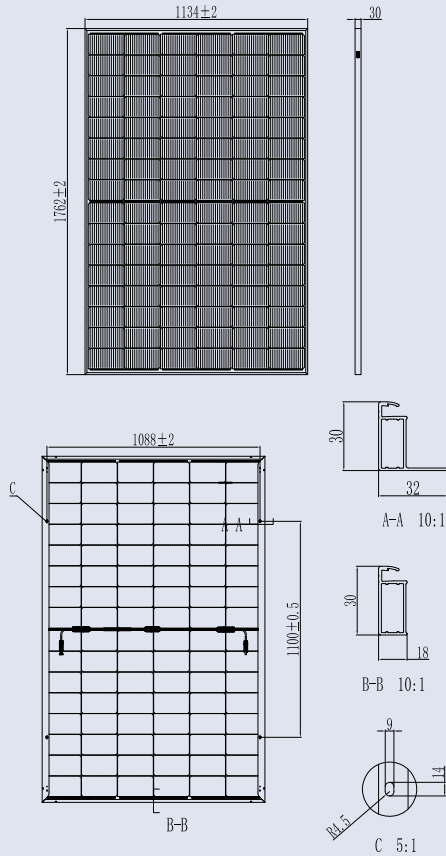


Withstanding Harsh Environment

- Reliable quality leads to a better sustainability even in harsh environment like desert, farm and coastline



PERLIGHT SOLAR
Powering Possibilities



Perlight Partners

Electrical Properties (STC*)

Power Output (Wp)	460	465	470	475
Voltage Mpp-Vmpp (V)	30.69	30.94	31.13	31.32
Current Mpp-Impp (A)	14.99	15.03	15.10	15.17
Voltage Open Circuit-Voc (V)	36.15	36.35	36.50	36.65
Short Circuit Current-Isc (A)	16.05	16.12	16.20	16.28
Module Efficiency (%)	23.0	23.2	23.5	23.7

*STC: Irradiance 1000W/m², Cell Temperature 25°C, AM 1.5

Electrical Properties (NOCT*)

Power Output (Wp)	346	350	354	358
Voltage Mpp-Vmpp (V)	28.42	28.66	28.88	29.12
Current Mpp-Impp (A)	12.18	12.22	12.26	12.30
Voltage Open Circuit-Voc (V)	33.64	33.84	34.04	34.24
Short Circuit Current-Isc (A)	13.05	13.11	13.18	13.24

*NOCT: Irradiance 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

Electrical Properties (BSTC*)

Power Output (Wp)	507.9	513.3	518.9	524.6
Voltage Mpp-Vmpp (V)	30.69	30.94	31.13	31.32
Current Mpp-Impp (A)	16.55	16.59	16.67	16.75
Voltage Open Circuit-Voc (V)	36.15	36.35	36.50	36.65
Short Circuit Current-Isc (A)	17.72	17.80	17.88	17.97
Module Efficiency (%)	25.4	25.6	25.9	26.2

BSTC: Front side irradiation 1000W/m², back side reflection irradiation 135W/m², AM=1.5, ambient temperature 25°C.

Mechanical Properties

Cell	N Type Monocrystalline Cell
Number of Cells	96 [6× (16)]
Module Dimension	1762×1134×30mm(L×W×H)
Weight	23.7Kg
Front Glass	2.0mm High Transmittance, AR Tempered Glass
Rear Glass	2.0mm Semi-tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP 68 (3 Diodes)
Cable Length	TUV 1×4.0 mm ² , (+):1200mm/(-):1200mm or Customized Length
Connector	Stäubli MC4 EVO 2A

Packaging Configuration

Packing Type	40'HQ
Piece / Pallet	37
Piece / Container	962

Operating Properties

Operating Temperature	-40°C ~ +85°C
Maximum System Voltage	1500V DC (IEC)
Maximum Series Fuse Rating	30A
Power Tolerance	±3%

Temperature Coefficient

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



More Than 40 Years Manufacturing
Experience Of Baolite Group Since 1982

PERLIGHT SOLAR CO.,LTD.

Add: Oufeng Rd, Muyu, Zeguo Town, Wenling, Zhejiang, China | www.perlight.com
+86-576-86477290 | enquiry@perlight.com | Version:PLM_EN_2026V1