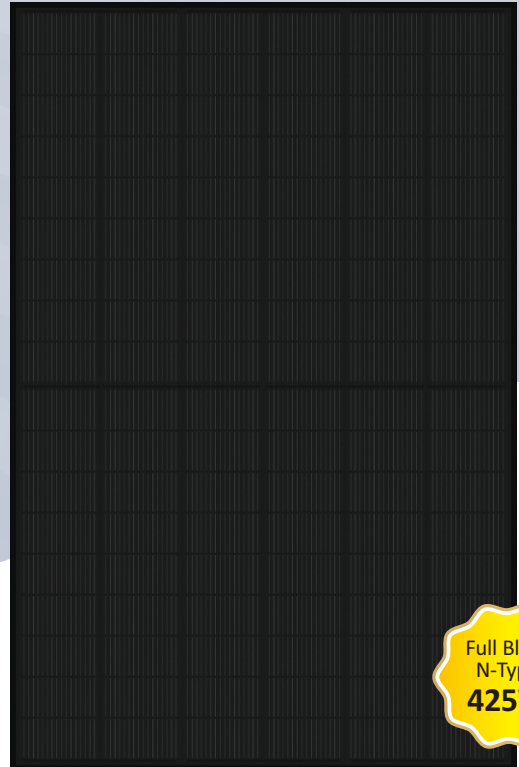




PERLIGHT SOLAR
Powering Possibilities

PLM-425H8NB-108 SERIES

Half-Cell N-Type Mono Black Module
Power Range 425W-430W



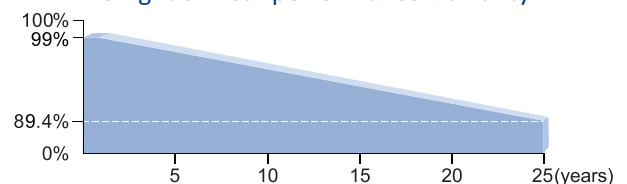
Full Black
N-Type
425W



Insurance



Perlight's linear performance warranty



22.02%

MAX MODULE EFFICIENCY
AFTER INSTALLED

12

YEARS LIMITED
PRODUCT WARRANTY

25

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



Zero LID (Light Induced Degradation)

- N-type solar cell has no 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)

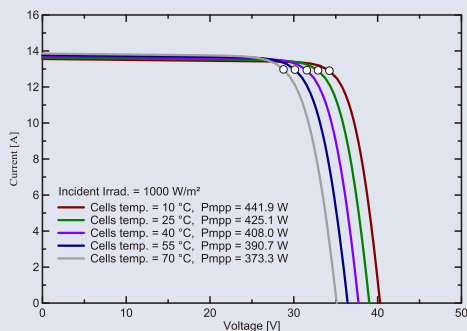
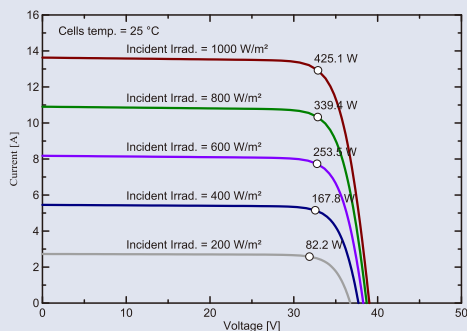
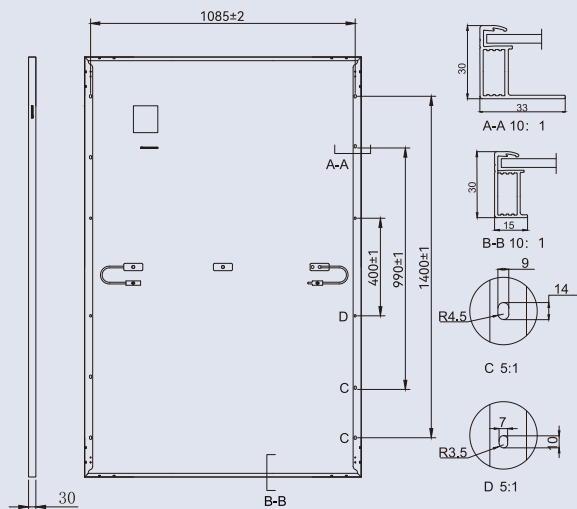


Withstanding Harsh Environment

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



PERLIGHT SOLAR
Powering Possibilities



Perlight Partners



More Than 40 Years Manufacturing
Experience Of Baolite Group Since 1982

Electrical Properties (STC*)

Power Output (Wp)	425	430
Voltage Mpp-Vmpp (V)	33.09	33.26
Current Mpp-Impp (A)	12.83	12.92
Voltage Open Circuit-Voc (V)	39.00	39.15
Short Circuit Current-Isc (A)	13.62	13.67
Module Efficiency (%)	21.76	22.02

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

Electrical Properties (NOCT*)

Power Output (Wp)	320.4	324.2
Voltage Mpp-Vmpp (V)	30.82	30.98
Current Mpp-Impp (A)	10.36	10.44
Voltage Open Circuit-Voc (V)	37.05	37.19
Short Circuit Current-Isc (A)	10.98	11.02

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

Mechanical Properties

Cell Size	182mm×91mm
Number of Cells	108 [2× (9×6)]
Module Dimension	1722×1134×30mm(L×W×H)
Weight	20.5Kg
Front Glass	High Transmission Glass 3.2mm
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	36
Piece / Container	936

Operating Properties

Operating Temperature	-40°C ~ +85°C
Maximum System Voltage	1500V DC (IEC)
Maximum Series Fuse Rating	25A
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