

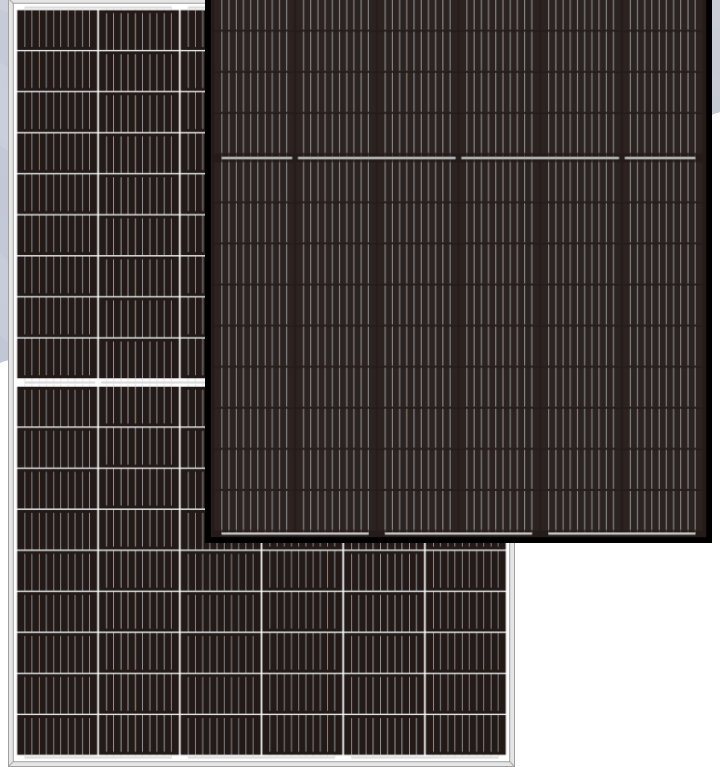


PERLIGHT
smart.black

PLM-410H8MB-108 SERIES

Monocrystalline Silicon Half Cell Solar Module
Power range 395W-415W

Plus extra 5W power



Insurance



21.22%

MAX MODULE EFFICIENCY
AFTER INSTALLED

12

YEARS LIMITED
PRODUCT WARRANTY

25

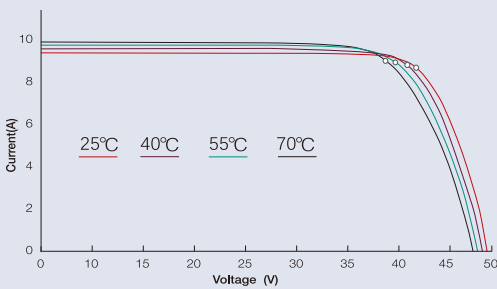
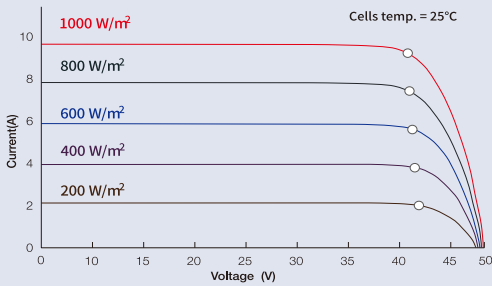
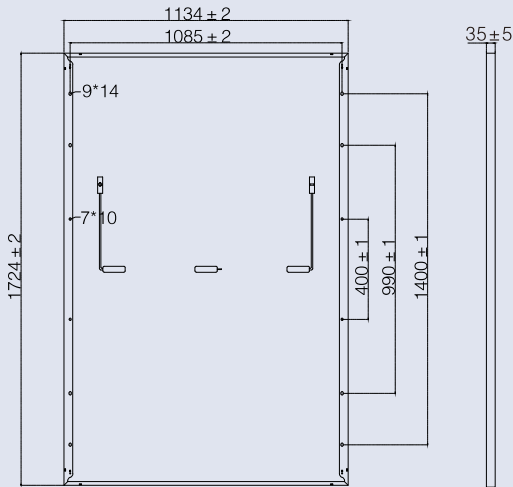
YEARS PERFORMANCE
WARRANTY

PERLIGHT SOLAR

Founded in 2006, Perlight Solar is growing to be the world leading residential smart solar PV products manufacturer & service provider.

Based on more than 30 years manufacturing experience of Baolite Group, along with the implementation of MES & ERP system, Perlight Solar have realized lean and flexible manufacturing of solar cell & solar module.

With corporate values "Customer First, Talent Excellence, Pragmatic Innovation, Integrity & Win-Win", Perlight Solar will continue to provide excellent smart energy products & service to global families and vision to be the leading brand in global distributed smart energy.



Perlight Partners

Electrical Characteristics (STC*)

Maximum Power at STC (Pmp)	395	400	405	410	415
Maximum Power Voltage (Vmp)	31.01	31.18	31.35	31.52	31.68
Maximum Power Current (Imp)	12.74	12.83	12.92	13.01	13.10
Open Circuit Voltage (Voc)	37.04	37.21	37.38	37.55	37.71
Short Circuit Current (Isc)	13.58	13.67	13.76	13.83	13.94
Module Efficiency at STC (nm)	20.20%	20.46%	20.71%	20.97%	21.22%

STC: 1000W/m² irradiance, 25°C cell temperature, AM 1.5g spectrum.
Power tolerance: ±5%

Electrical Characteristics (NMOT*)

Maximum Power at STC (Pmp)	290	294	298	301	305
Maximum Power Voltage (Vmp)	28.46	28.65	28.82	28.91	29.10
Maximum Power Current (Imp)	10.19	10.26	10.34	10.41	10.48
Open Circuit Voltage (Voc)	34.26	34.42	34.58	34.73	34.88
Short Circuit Current (Isc)	10.95	11.02	11.09	11.16	11.24

NOCT: 800W/m² irradiance, 20°C environment temperature, 1m/s wind speed.

Mechanical Specifications

Solar Cells	PERC Mono crystalline 182×91mm
External Dimensions	1724×1134×35mm(L×W×H)
Front Glass	3.2mm AR coating tempered glass, low iron
Weight	20Kg
Output Cable	4.0 mm ² , cable length 1000mm
Connector	MC4 Compatible
Junction Box	IP 68, 3 diodes
Frame	Anodized aluminium alloy

Temperature Characteristics

Isc Temperature Coefficient	+0.048%/°C
Voc Temperature Coefficient	-0.31%/°C
Pmax Temperature Coefficient	-0.38%/°C
Nominal Operating Cell Temperature (NOCT)	43±2°C

Operating Characteristics

Max. system voltage	DC1500V
Limiting reverse current	25A
Operating temperature range	-40°C~85°C
Max. static load front (e.g., snow)	5400Pa
Max. static load back (e.g., wind)	2400Pa
Max. hailstone impact (diameter / velocity)	25mm / 23m/s

Package

Container	40'HQ
Pieces Per Big Pallet	72
Big Pallets Per Container	13
Total Pieces Per Container	936