

P Type
Monofacial Module(Black Frame)
SL-108PA-405

405W



Key Features

High Efficiency
Leading module efficiency in industry, up to 20.7%

Half Cell, SMBB Technology
Series-then-parallel cell connection design, more reliable soldering technology

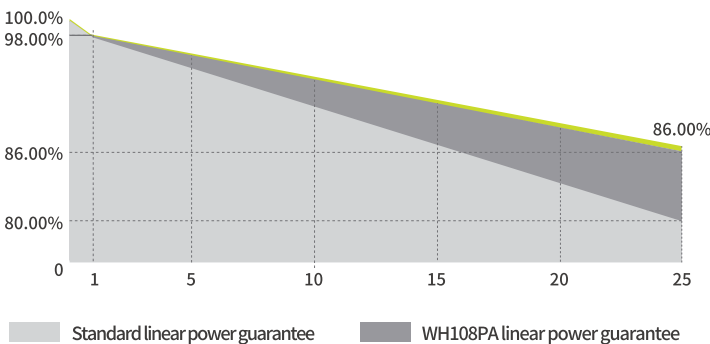
High Reliability
Passed 3*IEC standard test

Low NMOT
As low as 43°C, improving the power generation efficiency

Reduce Mismatch Loss
Half-cut cell technology provides optimized energy production under inter-row shading conditions

Superior Low Irradiance Performance
Excellent low irradiance performance, increase power generation in low-light conditions like mornings, evenings and cloudy days

Maximum Power Output	Maximum Module Efficiency	Power Output Tolerance
405W	20.70%	0~+5W



Product and Quality Certifications

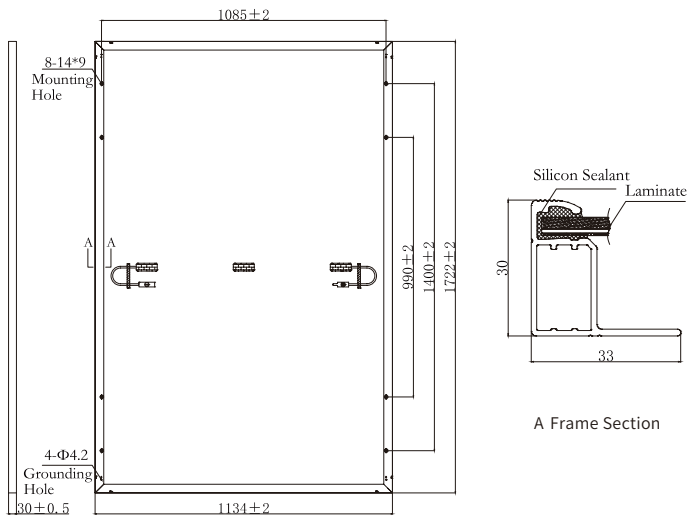
- IEC 61215, IEC 61730
- ISO 9001: Quality Management System
- ISO 14001: Environment Management System
- ISO 45001: Occupational Health and Safety Management System
- IEC 62716, IEC 61701: Ammonia, Salt mist corrosion test
- IEC TS 62804-1, IEC 60068-2-68: PID test, Dust and Sand test



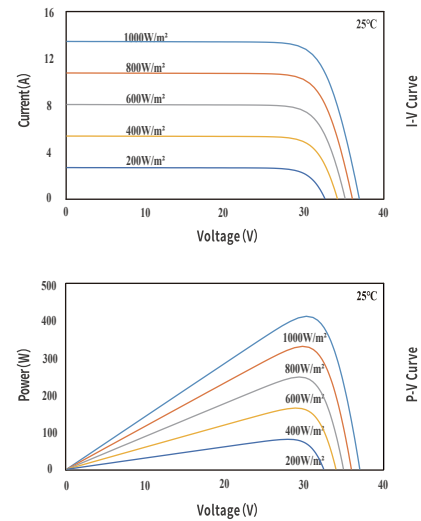
Leading product and power warranty

-2.00% 1st-year Degradation -0.50% Annual Degradation 12 Materials and workmanship warranty 25 Linear power warranty

Engineering Drawing (mm)



Characteristic Curves



Electrical Parameters (STC *)

Nominal Max. Power(Pmax/W)	405
Open Circuit Voltage(Voc/V)	37.38
Short Circuit Current(Isc/A)	13.76
Operating Voltage(Vmp/V)	31.35
Operating Current(Imp/A)	12.92
Efficiency(%)	20.7

STC * : Irradiance = 1000 W/m², Cell Temperature = 25°C, AM = 1.5
Test condition is based on the front side

Mechanical Parameters

Cell Type	P Type
Module Size	1722 × 1134 × 30mm
Glass Thickness	3.2mm
Module Weight	21.2kg
Output Cable	4mm ² , cable length 1200mm
Connector	MC4 compatible
Junction Box	IP68, 3 bypass diodes
Frame	Anodized aluminium alloy (Black)

Electrical Parameters (NMOT *)

Nominal Max. Power(Pmax/W)	297.7
Open Circuit Voltage(Voc/V)	34.58
Short Circuit Current(Isc/A)	11.09
Operating Voltage(Vmp/V)	28.79
Operating Current(Imp/A)	10.34

NMOT *: Irradiance = 800 W/m², Ambient Temperature = 20°C, AM = 1.5,
Wind Speed = 1 m/s
Test condition is based on the front side

Operating Parameters

Max. System Voltage	DC1500V
Power Tolerance	0 ~ +5 W
Operating Temperature	-40°C ~ +85°C
Max. Fuse Rated Current	25A
Front Static Load	Snow load 5400Pa, Wind load 2400Pa

Temperature Coefficients

Short Circuit Current(Isc)	+0.048%/°C
Open Circuit Voltage(Voc)	-0.26%/°C
Nominal Max. Power(Pmax)	-0.340%/°C
NMOT	43 ± 2°C

Packing Data

Packing Type	20'GP	40'HQ
Piece/Pallet	36	36
Pallet/Container	6	26
Piece/Container	216	936