

AlpenSeriesA6



WP-XXX/A6-120H

120-cell Bifacial Double Glass HJT Solar Module

Mono HJT Module

120 CELL

Power Output Range

385-400W

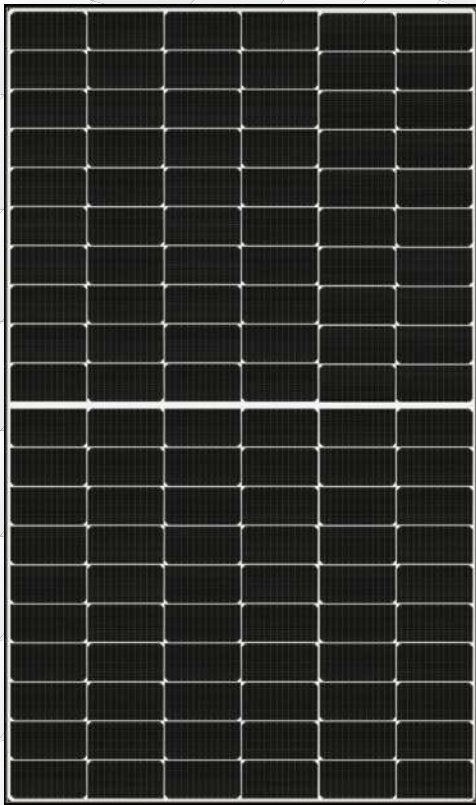
Maximum System Voltage

1500V

Maximum Efficiency

22.0%

QUALITY BENEFITS



22%

Industrial Benchmark

Up to 22% efficiency for double glass module



SMBB

SMBB HJT Half-Cut Technology

Unique 12BB HJT Cell with Half-cut design



Aesthetical Design

Black but transparent outfit, elegant for any rooftop



Maximum Durability & Reliability

15/30 years warranty, long-term high performance ensured



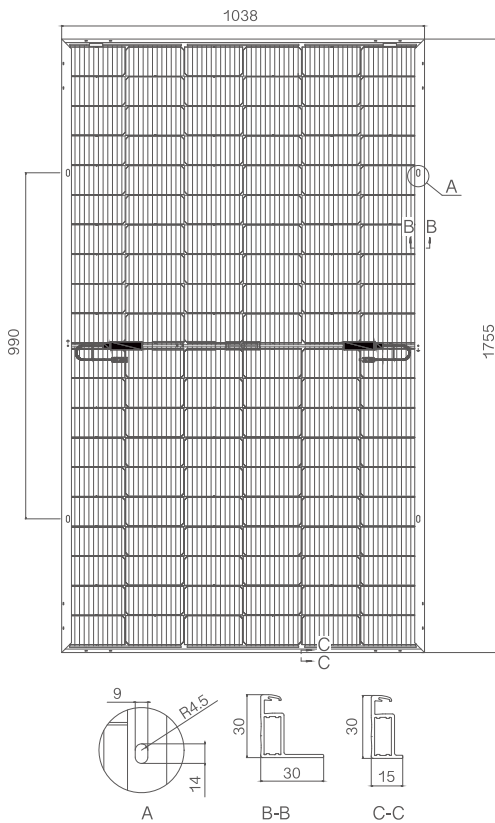
Product Warranty

15
years

Linear Power Warranty

30
years

Engineering Drawings



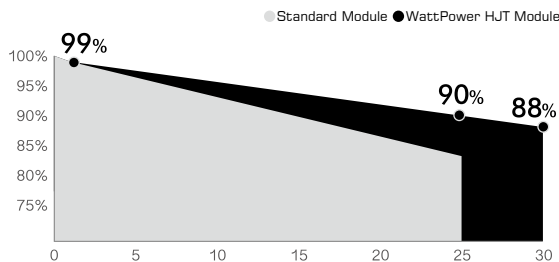
Temperature Characteristics

Nominal Operating Cell Temp. (NOCT)	44 C (± 2 C)
Temperature Coefficient of Pmax	-0.26 %/C
Temperature Coefficient of Voc	-0.24 %/C
Temperature Coefficient of Isc	0.04 %/C

Certifications & Warranty

Safety	Class II
Fire Rating	Class A
Product Warranty	15 Yrs Workmanship
Performance Warranty of Pmax	30 Yrs Linear Warranty*

*1st year 99%, after 2nd year 0.375% annual degradation to year 30.



Electrical Characteristics (STC)

Model Number	WP-385/A6 -120H	WP-390/A6 -120H	WP-395/A6 -120H	WP-400/A6 -120H
Maximum Power (Pmax)	385W	390W	395W	400W
Max Module Efficiency(%)	21.1%	21.4%	21.7%	22.0%
Voltage at Max Power (Vmp)	37.15V	37.23V	37.32V	37.43V
Current at Max Power (Imp)	10.37A	10.49A	10.60A	10.70A
Open Circuit Voltage (Voc)	44.57V	44.67V	44.77V	44.87V
Short Circuit Current (Isc)	10.82A	10.92A	11.02A	11.12A
Operating Module Temperature	-40 to +85 C			
Maximum System Voltage	DC1500V (IEC)			
Maximum Series Fuse	20A			
Rating Power Sorting	0~+5W			

*STC: Irradiance 1000 W/m², module temperature 25 C, AM=1.5; Best in Class AAA solar simulator used, power measurement uncertainty is within +/- 3%.

NOCT

	385W	390W	395W	400W
Max. Power at NOCT (Pmax)	293W	297W	300W	304W
Voltage Max. Power (Vmp)	35.46V	35.53V	35.62V	35.72V
Current Max Power (Imp)	8.26A	8.35A	8.43A	8.52A
Open Circuit Voltage (Voc)*	42.54V	42.63V	42.73V	42.80V
Short Circuit Current (Isc)*	8.72A	8.80A	8.88A	8.96A

*NOCT: 800W/m² Irradiance, 20 C ambient temperature, AM=1.5, wind speed 1m/s. Values are based on RETC certified results from a light-soaked module.

BSTC

	385W	390W	395W	400W
Max. Power at NOCT (Pmax)	430W	435W	440W	445W
Voltage Max. Power (Vmp)	38.70V	38.87V	39.18V	39.50V
Current Max Power (Imp)	11.18A	11.22A	11.28A	11.32A
Open Circuit Voltage (Voc)*	45.88V	46.21V	46.84V	47.54V
Short Circuit Current (Isc)*	11.58A	11.61A	11.64A	11.66A

*BSTC: Front side irradiation 1000W/m², back side reflection irradiation 135W/m², spectrum AM1.5, ambient temperature 25 C.

Mechanical Characteristics

Laminate Structure	Glass/ POE/ Cells/ POE/ Glass
Cell Type	HJT Mono 166 x 83 mm
Cell Connection	120 (60x2)
Module Dimensions	1755x 1038 x 30 mm
Weight	23.5 kg
Junction Box	IP67 / IP68
Output Cable	4mm ² , 1200mm
Connectors Type	UV Resistant Cable/Compatible MC4
Frame	Anodised Aluminum Alloy
Glass Thickness	(F) 2.0mm Anti-Reflective surface Solar Glass, (B) 2.0mm Solar Glass

* Mechanical load test report per Solar PTL (IEC 61730)

Packing Information

Module per Pallet	36 pcs
Module per 40' container	936 pcs