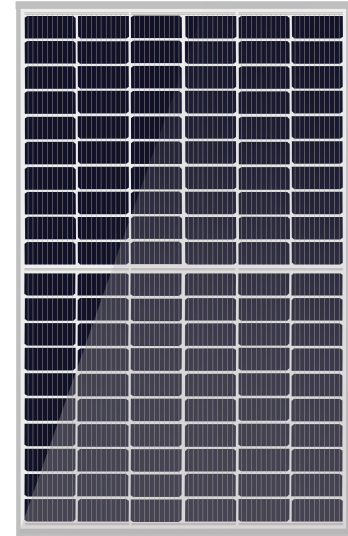
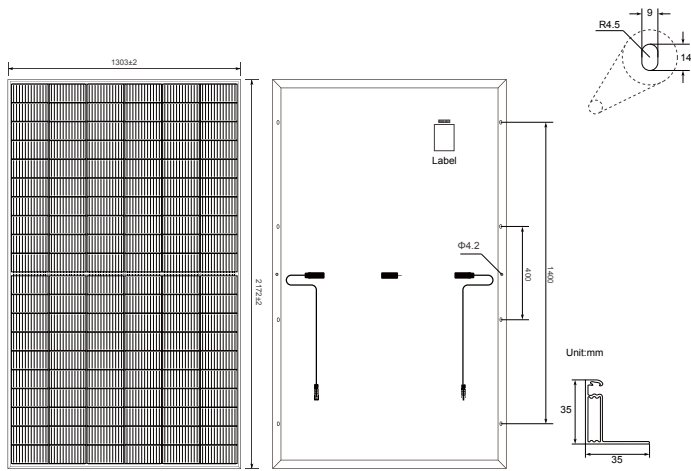


# AL600~620M12 600-620Watt

210mm 120Cells PV Solar Module



**12** Years  
Material & Craft  
Quality assurance

**12** Years  
90% Output  
Power guarantee

**25** Years  
80% Output  
Power guarantee

## Electrical Characteristics (STC/NOCT)

Module Type	AL600M12		AL605M12		AL610M12		AL615M12		AL620M12	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	600	454.21	605	458	610	462.2	610	466.1	620	470
Open Circuit Voltage - Voc(V)	41.48	39.10	41.74	39.33	41.99	39.56	42.16	39.79	42.32	39.81
Short- Circuit Current - Isc(A)	18.52	14.92	18.56	14.95	18.61	14.98	18.65	15.02	18.69	15.05
Voltage at Pmax -Vmp(V)	34.42	32.03	34.63	32.23	34.84	32.43	35.05	32.63	35.26	32.83
Current at Pmax - Imp(A)	17.44	14.18	17.48	14.21	17.52	14.24	17.57	14.27	17.61	14.31
Module Efficiency -ηm(%)	21.21	/	21.38	/	21.56	/	21.73	/	21.89	/
Power Tolerance(W)	(0, +4.99W)									
Maximum System Voltage(V)	1500Vdc (IEC / UL)									
Maximum Series Fuse Rating (A)	30A									

STC : Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25 C, Air Mass 1.5

NOCT : Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20 C, Air Mass 1.5, Wind Speed 1m/s

## Mechanical Specifications

External Dimensions	2172×1303×35mm
Weight	30.5kg
Solar Cells	Mono crystalline 210mm (2x60pcs)
Front Glass	AR Coated 3.2 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm <sup>2</sup> , 30cm (+), 30cm (-), length can be customized
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

## Temperature Characteristics

Pmax Temperature Coefficient	-0.362%/ C
Voc Temperature Coefficient	-0.262%/ C
Isc Temperature Coefficient	+0.042%/ C
Operating Temperature	-40 ~ +85 C
Nominal Operating Cell Temperature(NOCT)	45±2 C

## Packing Configuration

	2172×1303×35mm
Container	40'HQ
Pieces per Pallet	31
Pallets per Container	18
Pieces per Container	558

## Current-Voltage & Power-Voltage Curves (AL600M12)

