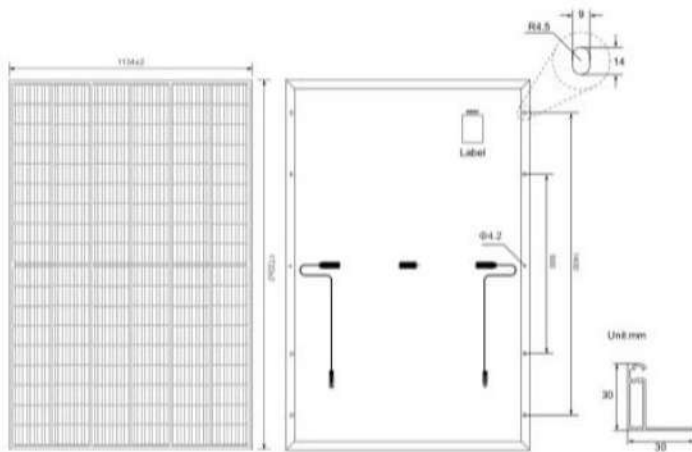
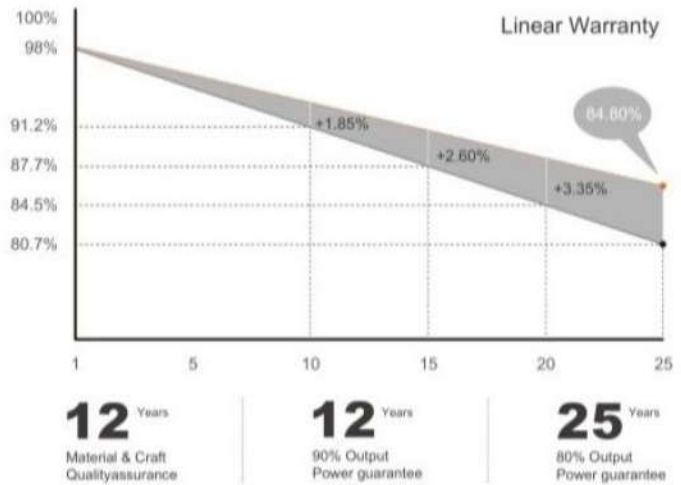


390~415M

182mm 108Cells Solar PV Module



All Dimensions in mm
The above drawing is a graphical representation of the product.
For engineering quality drawings please contact us.



Electrical Characteristics (STC/NOCT)

Module Type	AP10-108-390M		AP10-108-395M		AP10-108-400M		AP10-108-405M		AP10-108-410M		AP10-108-415M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	390	294	395	298	400	302	405	306	410	310	415	314
Open Circuit Voltage - Voc(V)	36.85	34.62	36.98	34.75	37.07	34.88	37.23	35.12	37.32	35.23	37.45	35.37
Short- Circuit Current - Isc(A)	13.61	10.89	13.70	10.96	13.79	11.03	13.87	11.10	13.95	11.16	14.02	11.22
Voltage at Pmax -Vmp(V)	30.64	28.87	30.84	29.08	31.01	29.26	31.21	29.47	31.45	29.72	31.61	29.89
Current at Pmax - Imp(A)	12.73	10.18	12.81	10.25	12.90	10.32	12.98	10.38	13.04	10.43	13.13	10.50
Module Efficiency - η_m (%)	20.0	/	20.2	/	20.5	/	20.8	/	21.0	/	21.3	/
Power Tolerance(W)	(0, +4.99W)											
Maximum System Voltage(V)	1500Vdc (IEC / UL)											
Maximum Series Fuse Rating (A)	25A											

STC : Irradiance 1000W/m², Cell Temperature 25℃, Air Mass 1.5

NOCT : Irradiance 800W/m², Ambient Temperature 20℃, Air Mass 1.5, Wind Speed 1m/s

Mechanical Specifications

External Dimensions	1722x1134x30mm
Weight	20.5kg
Solar Cells	Mono crystalline 182mm (2x54pcs)
Front Glass	AR Coated 3.2 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm ² , 50cm (+), 50cm (-), length can be customized
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

Temperature Characteristics

Pmax Temperature Coefficient	-0.350%/℃
Voc Temperature Coefficient	-0.275%/℃
Isc Temperature Coefficient	+0.045%/℃
Operating Temperature	-40 ~ +85℃
Nominal Operating Cell Temperature(NOCT)	45±2℃

Specifications are subject to change without further notification

Packing Configuration

	1722x1134x30mm	
Container	20'GP	40'HQ
Pieces per Pallet	36	36
Pallets per Container	6	26
Pieces per Container	216	936

Current-Voltage & Power-Voltage Curves (415W Mono)

