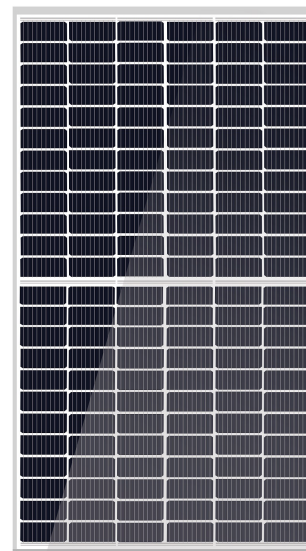
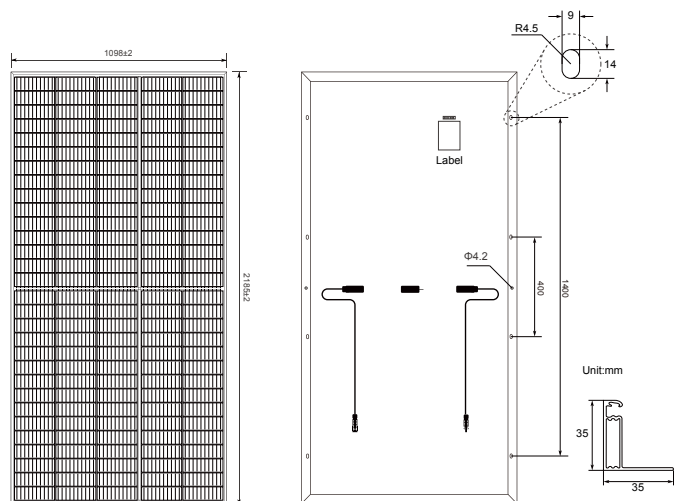


AL485-505M12

485-505Watt

210mm 150Cells 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	AL485M12		AL490M12		AL495M12		AL500M12		AL505M12	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	485	367	490	371	495	375	500	379	505	382
Open Circuit Voltage - Voc(V)	51.1	48.2	51.3	48.4	51.5	48.6	51.7	48.8	51.9	49.0
Short- Circuit Current - Isc(A)	12.07	9.72	12.14	9.77	12.21	9.83	12.28	9.89	12.35	9.94
Voltage at Pmax -Vmp(V)	42.2	39.8	42.4	40.0	42.6	40.2	42.8	40.4	43.0	40.6
Current at Pmax - Imp(A)	11.49	9.20	11.56	9.26	11.63	9.32	11.69	9.37	11.75	9.43
Module Efficiency -ηm(%)	20.3	/	20.5	/	20.7	/	20.9	/	21.1	/
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 C, Air Mass 1.5

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

Mechanical Specifications

External Dimensions	2185×1098×35mm
Weight	26.5kg
Solar Cells	Mono crystalline 210X70mm (5X30pcs)
Front Glass	AR Coated 3.2 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm ² , 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

	2185×1098×35mm
Container	40'HQ
Pieces per Pallet	31
Pallets per Container	20
Pieces per Container	620

Current-Voltage & Power-Voltage Curves (AL500M12)

