

132 Half Cells Solar Panel



132 Half Cells Solar Panel —XL132H-485~510W



IEC 61215
IEC 61730



TUV Standard



ISO 9001:2015



MBB Cell

New circuit design, lower internal current, lower internal resistance loss.



Higher Output Power

Module adopts 132 pcs of 182*182mm half cells, the maximum power can reach 510W.



Harsh Environmental Adaptability

Strict salt spray and ammonia corrosion test by TUV Nord.



Low Light Features

Higher performance under low light environment



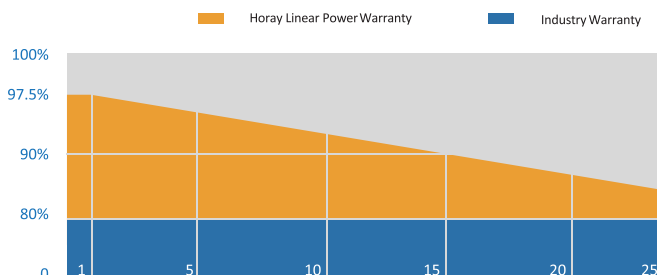
PID Protection

Ensure the attenuation probability caused by PID phenomenon is minimized



Load Capacity

Mechanical load tests including wind load 2400 Pa and snow load 5400 Pa done by TUV Nord.



12
Quality Assurance

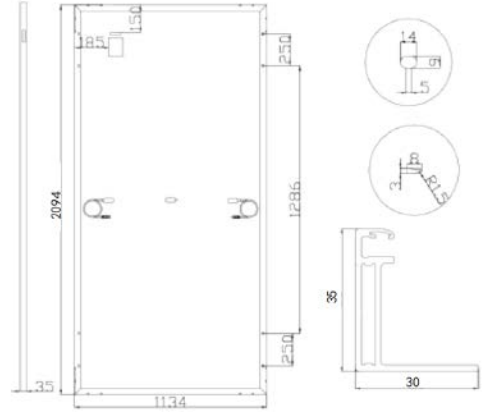
25
linear warranty

0.55%
Linear power decay

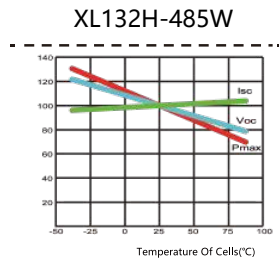
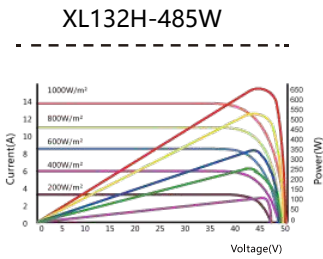
SPECIFICATIONS

Cell Dimensions	182*182mm
Cell Amount	66*2pcs
Weight	26kg
Dimensions	2094*1134*35mm
Junction Box	IP68
Frame	Aluminum Alloy
Cable	4mm ² Landscape/N 1400mm/P 1400mm Portrait/N 200mm/P 300mm
Connector	MC4 compatible
Application Level	Class A

MECHANICAL DIAGRAMS



CHARICTERISTICS



PACKING INFORMATION

Packing Type	40'HQ
pcs/Pallet	31Pieces
Pallet/Container	22
Packing Description	22Pallets, Total=(31+31)*10=620 Pieces

12 YEARS Quality Warranty

25 YEARS Power Warranty

ELECTRICAL PARAMETERS

Type	XL-132H-485W		XL-132H-490W		XL-1432H-495W		XL-132H-500W		XL-1432H-505W		XL-132H-510W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rate Maximum Power-Pmax[W]	485	357	490	360	495	364	500	368	505	372	510	375
Open Circuit Voltage-Voc[V]	44.70	41.70	44.90	41.90	45.10	42.10	45.30	42.30	45.50	42.50	45.70	42.70
Short Circuit Current-Isc[A]	13.68	11.02	13.73	11.07	13.78	11.12	13.83	11.17	13.89	11.22	13.94	11.27
Maximum Power Voltage-Vmp[V]	37.20	34.60	37.40	34.80	37.60	35.00	37.80	35.20	38.00	35.40	38.20	35.60
Maximum Power Current-Imp[A]	13.04	10.32	13.10	10.35	13.17	10.40	13.23	10.45	13.29	10.51	13.35	10.53
Module Efficiency-η[%]	20.42%	15.03%	20.64%	15.16%	21.85%	15.33%	21.06%	15.50%	21.27%	15.67%	21.48%	15.80%
Output Tolerance	0~±3%											
Operating Temperature	-40°C~+85°C											
Maximun System Voltage	1500V											
Maximum Series Fuse Rating	25A											
Temp Coefficient of Pmax	-0.36%/°C											
Temp Coefficient of VOC	-0.28%/°C											
Temp Coefficient of ISC	+0.05%/°C											
Nominal Operating Cell Temperature	45±2°C											

STC: Irradiance: 1000W/m²

Temperature: 25°C

AM: =1.5

NOCT: Irradiance: 800W/m²

Temperature: 20°C

AM: =1.5

Wind Speed 1m/s