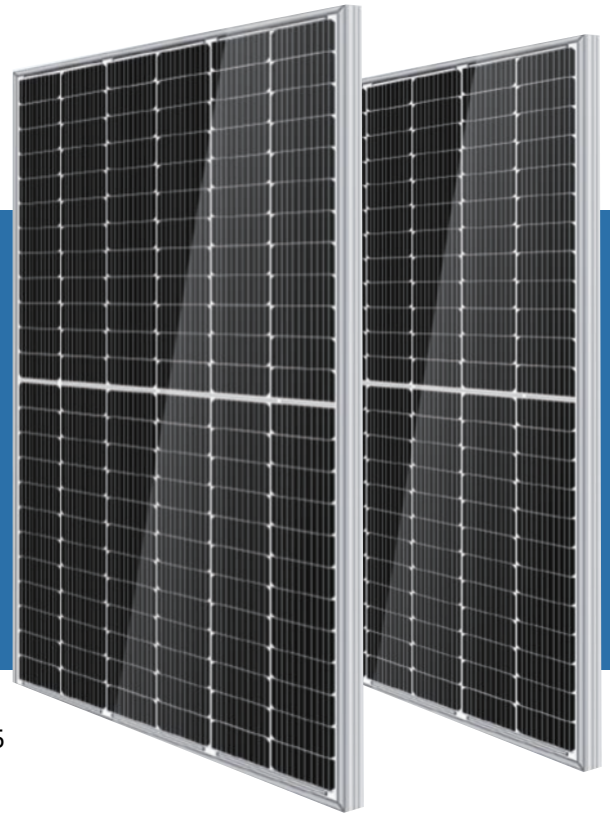


144 Half Cells Solar Panel



144 Half Cells Solar Panel —XL144H-530~550W



IEC 61215
IEC 61730



TUV Standard



ISO 9001:2015



MBB Cell

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



Low Light Features

Higher performance under low light environment



Higher Output Power

Module adopts 144 pcs of 182*182mm half cells, the maximum power can reach 550W.



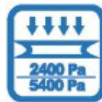
PID Protection

Ensure the attenuation probability caused by PID phenomenon is minimized



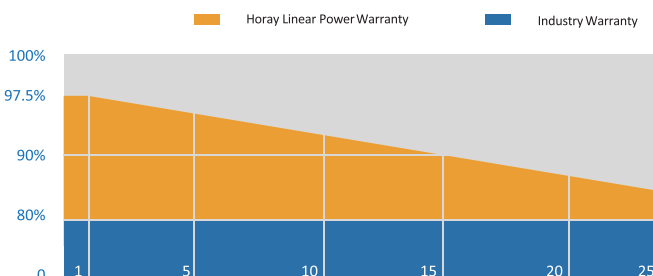
Harsh Environmental Adaptability

Strict salt spray and ammonia corrosion test by TUV Nord.



Load Capacity

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



12
Quality Assurance

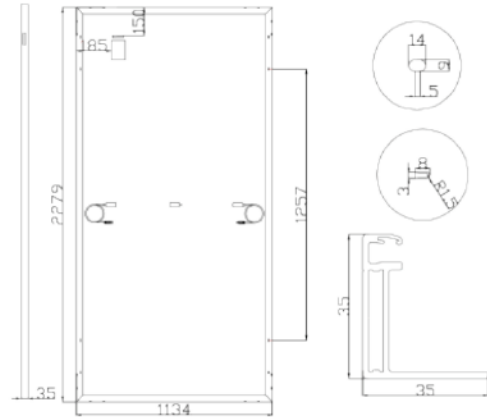
25
linear warranty

0.55%
Linear power decay

SPECIFICATIONS

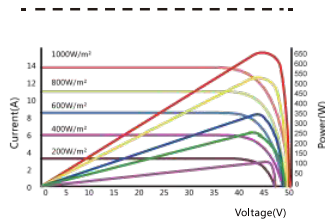
Cell Dimensions	182*182mm
Cell Amount	72*2pcs
Weight	29kg
Dimensions	2279*1134*35mm
Junction Box	IP68
Frame	Aluminum Alloy
Cable	4mm ² , Landscape N 1400mm/P 1400mm Portrail: N 200mm/P 300mm
Connector	MC4 compatible
Application Level	Class A

MECHANICAL DIAGRAMS

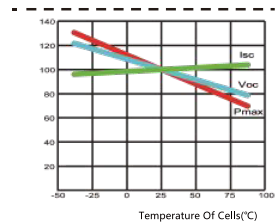


CHARACTERISTICS

XL144H-530W



XL144H-530W



PACKING INFORMATION

Packing Type	40'HQ
Pcs/Pallet	31Pieces
Pallet/Container	20
Packing Description	20Pallets, Total=(31+31)*10=620 Pieces

12 YEARS Quality Warranty

25 YEARS Power Warranty

ELECTRICAL PARAMETERS

Type	XL-144H-530W		XL-144H-535W		XL-144H-540W		XL-144H-545W		XL-144H-550W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rate Maximum Power-Pmax[W]	530	395	535	399	540	402	545	406	550	410
Open Circuit Voltage-Voc[V]	49.00	45.90	49.20	46.10	49.40	46.30	49.60	46.40	49.80	46.60
Short Circuit Current-Isc[A]	13.76	11.09	13.81	11.13	13.87	11.18	13.93	11.23	13.99	11.28
Maximum Power Voltage-Vmp[V]	40.80	38.00	41.00	38.20	41.20	38.40	41.40	38.60	41.60	38.80
Maximum Power Current-Imp[A]	13.00	10.40	13.05	10.44	13.11	10.49	13.17	10.54	13.23	10.58
Module Efficiency-η[%]	20.51%	15.28%	20.70%	15.44%	20.90%	15.56%	21.09%	15.71%	21.28%	15.86%
Output Tolerance	0~±3%									
Operating Temperature	-40°C~+85°C									
Maximum 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