

X-Sol Series

HJT

640W-655W

XP-MH60H-640W-655W Dual Glass

High Efficiency Heterojunction Cell Technology
The solar cells made of silicon

Comprehensive Products and System Certificates



PICC Product Insurance



-0.26%/ C Pmax temperature coefficient More stable power generation performance and even better in hot climate.



Industry leading products and performance guarantee



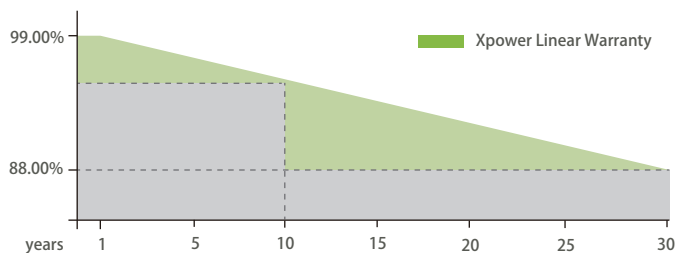
Bifacial module back-side power generation increased



Multi-busbar shortens the current transmission distance, reduces resistance loss and improves cells efficiency



Lower BOS&COE
Suitable for utility project

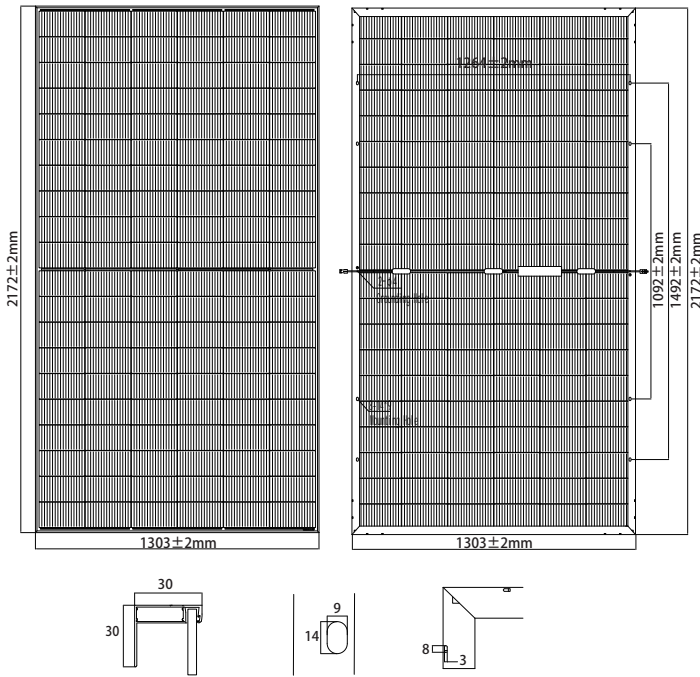


Product quality & process guarantee

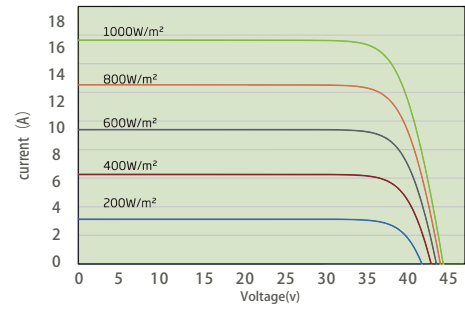


Linear power guarantee

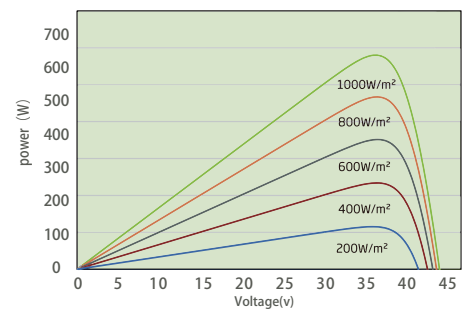
DWSIGH



I-V CURVES OF PV MODULE (650w)



P-V CURVES OF PV MODULE (650w)



ELECTRIC CHARACTERISTICS

Model of modules	XP-MH60H-640W Dual Glass		XP-MH60H-645W Dual Glass		XP-MH60H-650W Dual Glass		XP-MH60H-655W Dual Glass	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power-Pmax(W)	640	534	645	538	650	543	655	451
Open Circuit voltage-Voc(V)	44.76	42.16	44.82	42.22	44.88	42.28	44.94	50.28
Short Circuit Current-Isc (A)	17.33	15.33	17.42	14.22	17.53	15.53	17.64	11.23
Maximum Power Voltage-Vmpp (V)	39.37	37.17	39.48	37.28	39.60	37.40	39.72	42.18
Maximum Power Current-Impp (A)	16.27	14.37	16.34	14.44	16.42	14.52	16.50	10.70
Module efficiency (%)	22.6%		22.8%		23.0%		23.1%	
Module efficiency w/m	226.1W		227.9W		229.7W		231.4W	

STC (Standard Testing Conditions): Irradiance 1000W/m², Cell Temperature 25 °C, Spectra at AM1.5 NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C, Spectra at AM1.5, Wind at 1m/5

MECHANICAL DATA

Solar Cells	HJT Monocrystalline 210x 105mm
Number of cells	120 cells
Module Dimensions(L*W*H)	2172±2 x 1303±2 x 30±1mm
Glass	Tempered 2.0mm AR, High transmittance, Low iron
Encapsulant material	POE/EVA
Backsheet	Tempered 2.0mm AR, High transmittance, Low iron
Frame	30mm Anodized Aluminium Alloy
Junction box	IP68/1500V/25A
Output wire	4.0mm², length: 300mm
Connector	MC4 Compatible
Weight	35.5kg
Packging configuration (Container 40HQ)	Quantity/pallet: 36 pieces
	Pallet/container: 18 pallets
	Quantity/container: 648 pieces

REAR SIDE POWER GAIN

Total Equivalent power -P _{MAX} (Wp)	640	645	650	655
Maximum Power Voltage-VMPP (V)	39.37	39.48	39.60	39.72
Maximum Power Current-IMPP (A)	17.89	17.99	18.06	18.16
Open Circuit Voltage-VOC (V)	44.76	44.82	44.88	44.94
Short Circuit Current-ISC (A)	19.07	19.18	19.19	19.30
10% Irradiance ratio (rear/front)	704	710	715	721

reference to 10% Irradiance ratio

TEMPERATURE RATINGS

Nominal operating cell temperature	44±2°C
Temperature Coefficient of P _{Max}	-0.26%/°C
Temperature Coefficient of Voc	-0.24%/°C
Temperature Coefficient of Isc	+0.04%/°C



Scan QR Code to learn more

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Specifications included in this datasheet are subject to change without notice.