



X-Sol Series

HJT

430W-455W


XP-MH54L-430W-445W Dual Glass


High Efficiency Heterojunction Cell Technology
The solar cells made of silicon


Comprehensive Products and System Certificates





PICC Product Insurance

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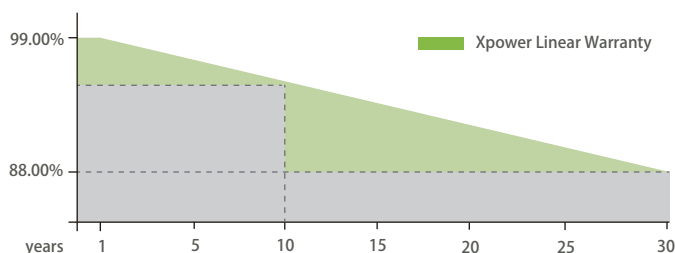
-0.26%/ C Pmax temperature coefficient More stable power generation performance and even better in hot climate.
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Industry leading products and performance guarantee
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Bifacial module back-side power generation increased
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Multi-busbar shortens the current transmission distance, reduces resistance loss and improves cells efficiency
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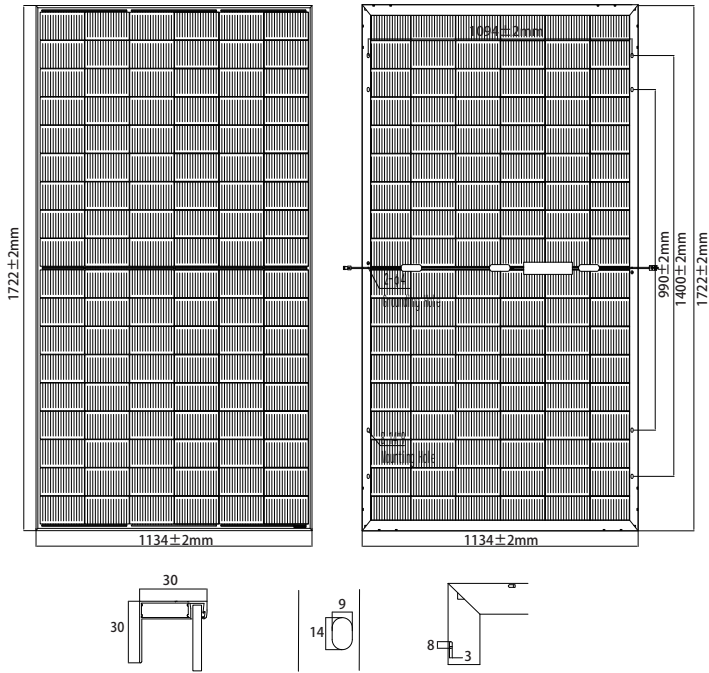
Lower BOS&COE
Suitable for utility project



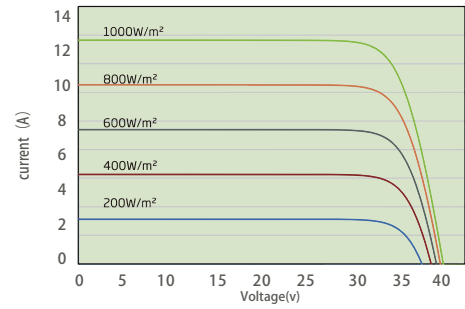
15 years Product quality & process guarantee

30 years Linear power guarantee

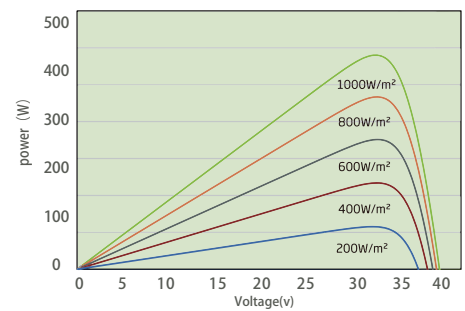
DWSIGH



I-V CURVES OF PV MODULE (430w)



P-V CURVES OF PV MODULE (430w)



ELECTRIC CHARACTERISTICS

Model of modules	XP-MH54L-430W Dual Glass		XP-MH54L-435W Dual Glass		XP-MH54L-440W Dual Glass		XP-MH54L-445W Dual Glass	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power-Pmax(W)	430	329	435	332	440	336	445	340
Open Circuit voltage-Voc(V)	40.1	38.2	40.2	38.2	40.3	38.3	40.4	38.4
Short Circuit Current-Isc (A)	13.38	10.78	13.43	10.82	13.48	10.86	13.53	10.92
Maximum Power Voltage-Vmpp (V)	33.7	32.3	33.8	32.4	33.9	32.5	34.0	32.6
Maximum Power Current-Impp(A)	12.76	10.17	12.89	10.27	13.02	10.33	13.09	10.43
Module efficiency (%)	22.0%		22.3%		22.5%		22.8%	
Module efficiency w/m	220.2W		223.0W		225.3W		227.9W	

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 182x 91mm
Number of cells	108 cells
Module Dimensions(L*W*H)	1722±2 x 1134±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	22.0kg
Packaging configuration (Container 40HQ)	Quantity/pallet: 36 pieces
	Pallet/container: 26 pallets
	Quantity/container: 936 pieces

REAR SIDE POWER GAIN

Total Equivalent power -P _{MAX} (Wp)	430	435	440	455
Maximum Power Voltage-VMPP (V)	33.7	33.8	33.9	34.0
Maximum Power Current-IMPP (A)	14.04	14.18	12.98	14.74
Open Circuit Voltage-VOC (V)	40.1	40.2	40.3	40.4
Short Circuit Current-ISC (A)	11.86	11.90	11.94	10.86
10% Irradiance ratio (rear/front)	473	479	484	501

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.