XPOWER
LIGHT UP THE WORLD

X-Sol Series

HJT

-0.26%/ C Pmax temperature coefficient More stable power generation performance and even better inhot 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

430W-455W

XP-MH54L-430W-445W Bifacial

High Efficiency Heterojunction Cell Technology
The solar cells made of silicon

Comprehensive Products and System Certificates

15 years Product quality & process guarantee

30 years Linear power guarantee

PICC Product Insurance

XP-MH54L-430W-445W Bifacial

DWSIGH

I-V CURVES OF PV MODULE（430w）

P-V CURVES OF PV MODULE（430w）

ELECTRIC CHARACTERISTICS

Model of modules	XP-MH54L-430W Bifacial		XP-MH54L-435W Bifacial		XP-MH54L-440W Bifacial		XP-MH54L-445W Bifacial	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximun 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/㎡, Cell Temperature 25℃, Spectra at AM1.5 NOCT (Nominal Operating Cell Temperature): Irradiance 800W/㎡, Ambient Temperature 20℃, Spectra at AM1.5, Wind at 1m/S

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 iran
Encapsulant material	POE/EVA
Backsheet	Tempered 2.0mm AR, High transmittance,Low iran
Frame	30mm Anodized Aluminium Alloy
Junction box	IP68/1500V/25A
Output wire	4.0mm2,length:300mm
Connector	MC4 Compatible
Weight	22.0kg
Packging configureation (Container 40HQ)	Quantity/pallet: 36 pieces
	Pallet/container: 26 pallets
	Quantity/container: 936 pieces

REAR SIDE POWER GAIN

Total Equivalent power -PMAX (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℃
Temperature Coeffcient of PMax	-0.26%℃
Temperature Coeffcient of Voc	-0.24%℃
Temperature Coeffcient of Isc	+0.04%℃

Scan QR Code to learn more

Email: info@xpowersolar.com

ADD:Room27, Brilliant Center, No.200 Huaining Road, Shushan District, Hefei, Anhui Province, P.R.China

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