

# X-Venus Series

**TOPCON**



Lower Power Temperature Coefficient and Broaden Spectral Response Enhance the Power Generation



Topcon Multi-Busbar Solar Half Cell Stronger Current Collection Ability



Higher Power Generation Better LCOE



N-Type Cells ,Higher Resistance , Better Weak Light Performance ,Solar Gain  $\geq 0.25\%$



N-type with very Lower LID

**520W-535W**

**XP-MH66L-520W-535W**

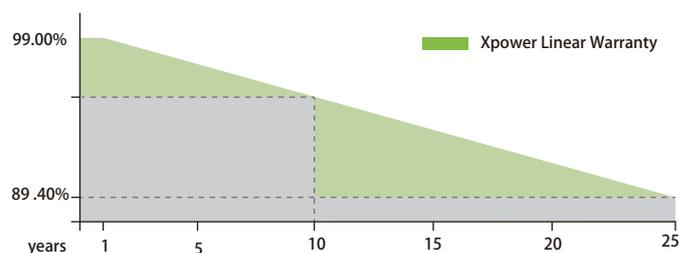
N-type Mono-crystalline

TOPCON Module

Comprehensive Products and System Certificates



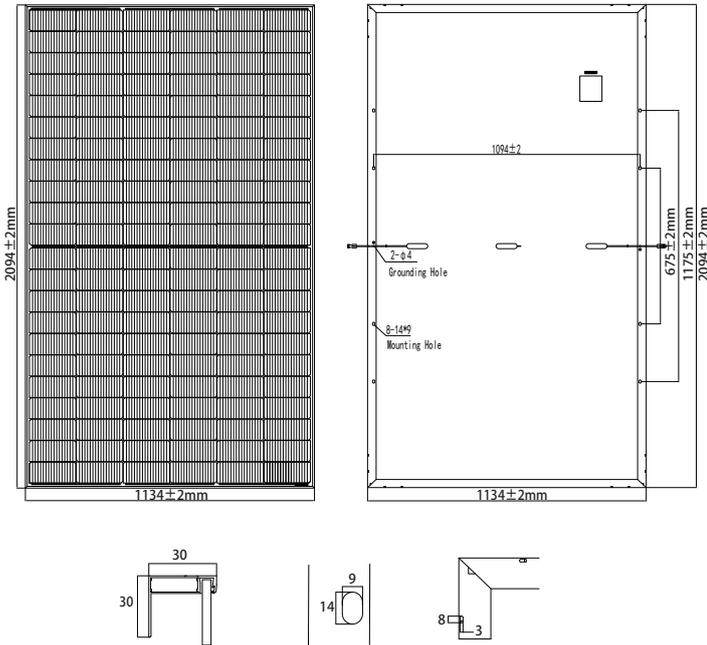
**PICC** Product Insurance



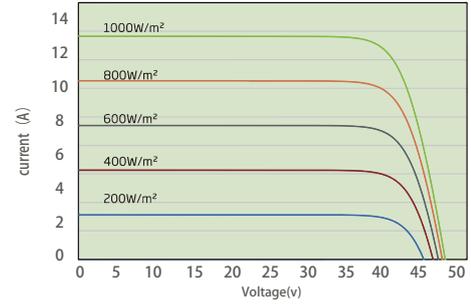
**15 years** Product quality & process guarantee

**25 years** Linear power guarantee

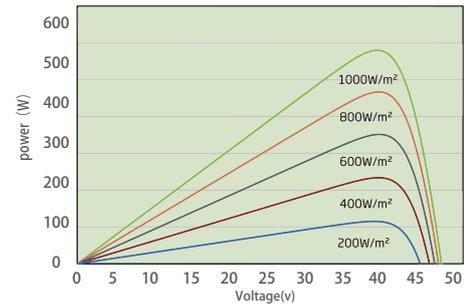
## DWSIGH



I-V CURVES OF PV MODULE (530w)



P-V CURVES OF PV MODULE (530w)



## ELECTRIC CHARACTERISTICS

Model of modules	XP-MH66L-520W		XP-MH66L-525W		XP-MH66L-530W		XP-MH66L-535W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Model of modules	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power-Pmax(W)	520	393	525	397	530	401	535	404
Open Circuit voltage-Voc(V)	46.68	44.21	46.83	44.36	46.98	44.50	47.13	44.64
Short Circuit Current-ISC (A)	14.14	11.49	14.23	11.56	14.31	11.62	14.39	11.68
Maximum Power Voltage-Vmpp (V)	38.86	36.16	39.01	36.29	39.16	36.42	39.31	36.55
Maximum Power Current-Impp (A)	13.38	10.87	13.46	10.93	13.54	11.01	13.61	11.05
Module efficiency (%)	21.9%		22.1%		22.3%		22.5%	
Module efficiency w/m	219.0W		221.1W		223.2W		225.3W	
Maximum system voltage (V)	1500V							
Current operating temperature (°C)	-40°C~+85°C							

STC (Standard Testing Conditions): Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25 °C, Spectra at AM1.5 NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Spectra at AM1.5, Wind at 1m/s

## MECHANICAL DATA

Solar Cells	TOPCON Monocrystalline 182 x 91mm
Number of cells	132 cells
Module Dimensions(L*W*H)	2094±2 x 1134±2 x 30±1mm
Glass	Tempered 3.2mm AR, High transmittance, Low iron
Encapsulant material	POE/EVA
Backsheet	White
Frame	Anodized Aluminium Alloy
Junction box	IP68/1500V/25A
Output wire	4.0mm <sup>2</sup> , wire length:300mm
Connector	MC4 Compatible
Weight	26kg
Mechanical load	5400Pa

## PACKAGING CONFIGURATION

Container	20GP	40HQ
Quantity/pallet	37 pieces	37 pieces
Pallet/container	5 pallets	22 pallets
Quantity/container	185 pieces	814 pieces

## TEMPERATURE RATINGS

Nominal operating cell temperature	44±2°C
Temperature Coefficient of PMAX	-0.29%/°C
Temperature Coefficient of VOC	-0.25%/°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.