

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

685W-700W

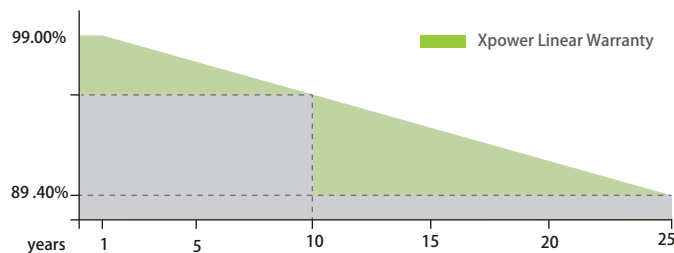
XP-MH66H-685W-700W

N-type Mono-crystalline
TOPCON Module

Comprehensive Products and System Certificates



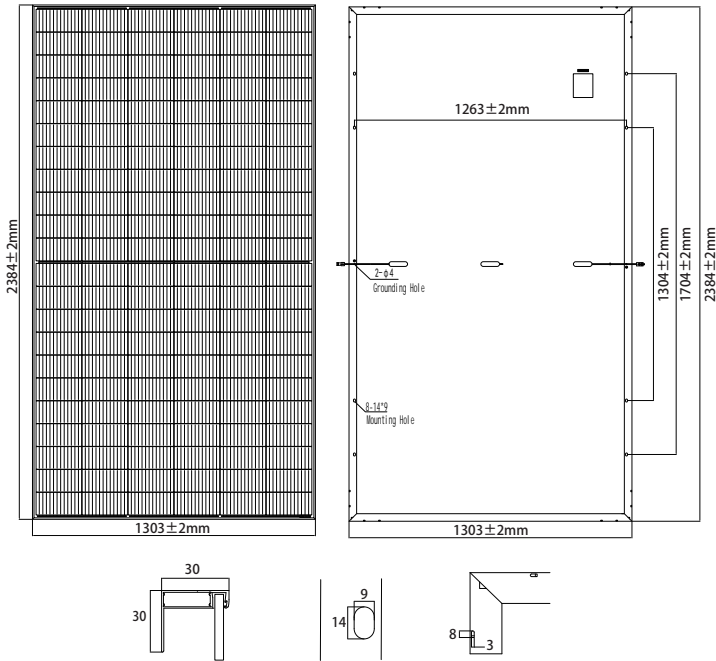
PICC Product Insurance



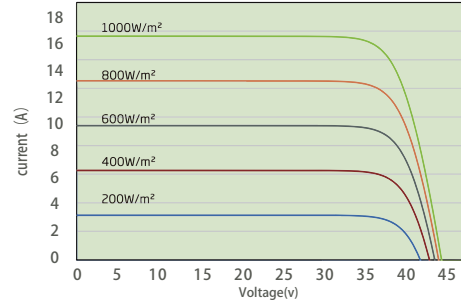
15 years Product quality & process guarantee

25 years Linear power guarantee

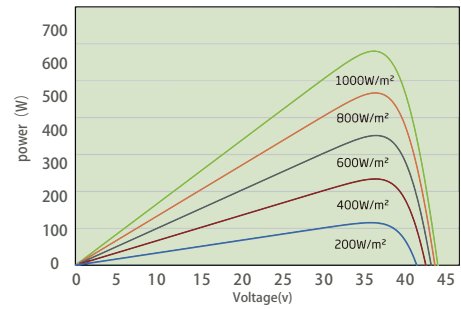
DWSIGH



I-V CURVES OF PV MODULE (690w)



P-V CURVES OF PV MODULE (690w)



ELECTRIC CHARACTERISTICS

Model of modules	XP-MH66H-685W		XP-MH66H-690W		XP-MH66H-695W		XP-MH66H-700W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Model of modules	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power-Pmax(W)	685	576	690	580	695	584	700	588
Open Circuit voltage-Voc(V)	48.09	44.16	48.23	44.28	48.37	44.40	48.51	44.52
Short Circuit Current-Isc (A)	18.09	16.08	18.19	16.17	18.28	16.26	18.37	16.35
Maximum Power Voltage-Vmpp (V)	40.05	38.17	40.19	38.19	40.33	38.31	40.47	38.43
Maximum Power Current-Impp (A)	17.11	15.10	17.17	15.19	17.24	15.25	17.30	15.31
Module efficiency (%)	22.1%		22.2%		22.4%		22.5%	
Module efficiency w/m	220.5W		222.1W		223.7W		225.3W	
Maximum system voltage (V)	1500V							
Current operating temperature (°C)	-40°C~+85°C							

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	TOPCON Monocrystalline 210 x 105mm
Number of cells	132 cells
Module Dimensions(L*W*H)	2384±2 x 1303±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	4.0mm², wire length: 1200mm
Connector	MC4 Compatible
Weight	33.6kg
Mechanical load	5400Pa

PACKAGING CONFIGURATION

Container	20GP	40HQ
Quantity/pallet	36 pieces	36 pieces
Pallet/container	4 pallets	18 pallets
Quantity/container	144 pieces	648 pieces

TEMPERATURE RATINGS

Nominal operating cell temperature	44±2°C
Temperature Coe cient of PMAX	-0.29%/°C
Temperature Coe cient of VOC	-0.25%/°C
Temperature Coe cient of ISC	+0.04%/°C



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