

# 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 Dual Glass

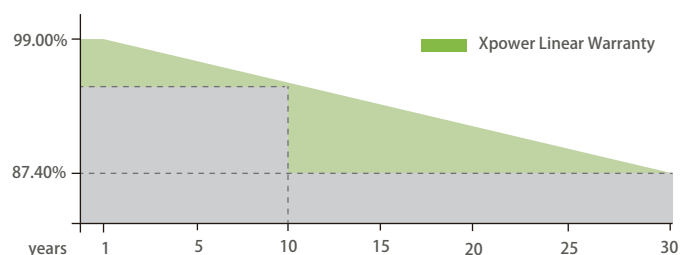
N-type Mono-crystalline

TOPCON Module

Comprehensive Products and System Certificates



**PICC** Product Insurance

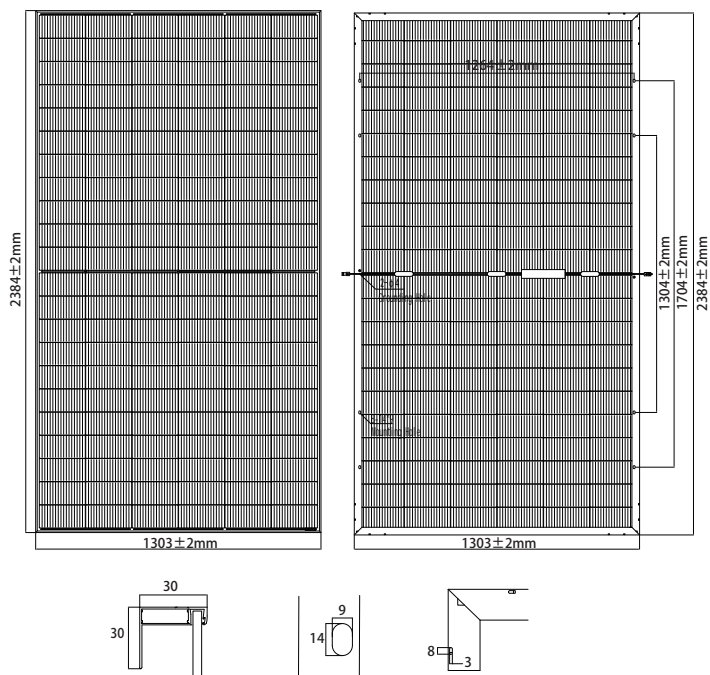


Product quality & process guarantee

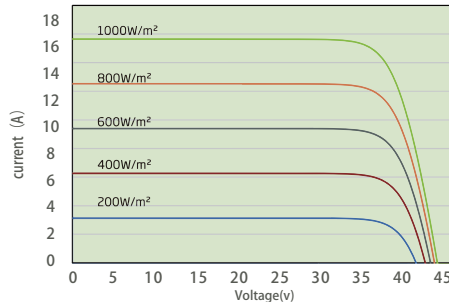


Linear power guarantee

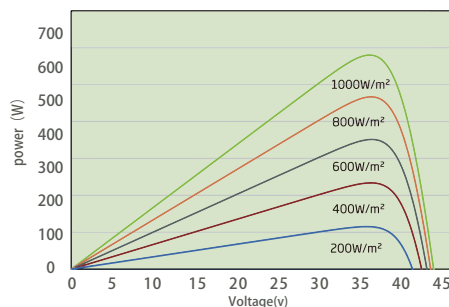
## DWSIGH



I-V CURVES OF PV MODULE (690w)



P-V CURVES OF PV MODULE (690w)



## ELECTRIC CHARACTERISTICS

Model of modules	XP-MH66H-685W Dual Glass		XP-MH66H-690W Dual Glass		XP-MH66H-695W Dual Glass		XP-MH66H-700W Dual Glass	
	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	

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/s

## MECHANICAL DATA

Solar Cells	TOPCON Monocrystalline 210x 105mm
Number of cells	132 cells
Module Dimensions(L*W*H)	2384±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	38.3kg
Packging configuration (Container 40HQ)	Quantity/pallet: 36 pieces
	Pallet/container: 18 pallets
	Quantity/container: 648 pieces

## REAR SIDE POWER GAIN

Total Equivalent power -P <sub>MAX</sub> (Wp)	685	690	695	700
Maximum Power Voltage-VMPP (V)	40.05	40.19	40.33	40.47
Maximum Power Current-IMPP (A)	18.83	18.89	18.97	19.03
Open Circuit Voltage-VOC (V)	48.09	48.23	48.37	48.51
Short Circuit Current-ISC (A)	19.92	19.98	20.04	20.10
10% Irradiance ratio (rear/front)	754	759	765	770

reference to 10% Irradiance ratio

## TEMPERATURE RATINGS

Nominal operating cell temperature	44±2°C
Temperature Coefficient of P <sub>Max</sub>	-0.29%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.04%/°C



Scan QR Code to learn more

Email: info@xpowersolar.com

ADD: Room 27, 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.