



# X-Venus Series

**TOPCON**



Lower Power Temperature Coefficient and Broaden Spectral Response Enhance The Power Generation.



210R Cell Technology, High Conversion Efficiency



Higher power generation better LCOE



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



N-type cells with boron-oxide-free composite LID to increase module power generation

**615W-630W**

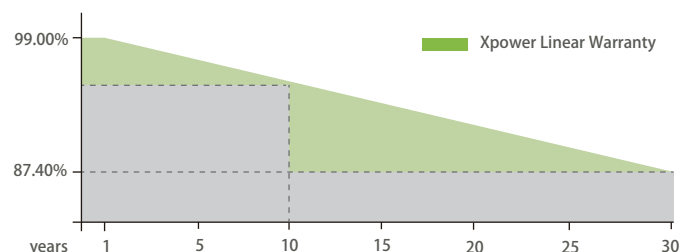
**XP-MH66R-615W-630W**

N type Mono-crystalline  
TOPCON Module

Comprehensive Products and System Certificates



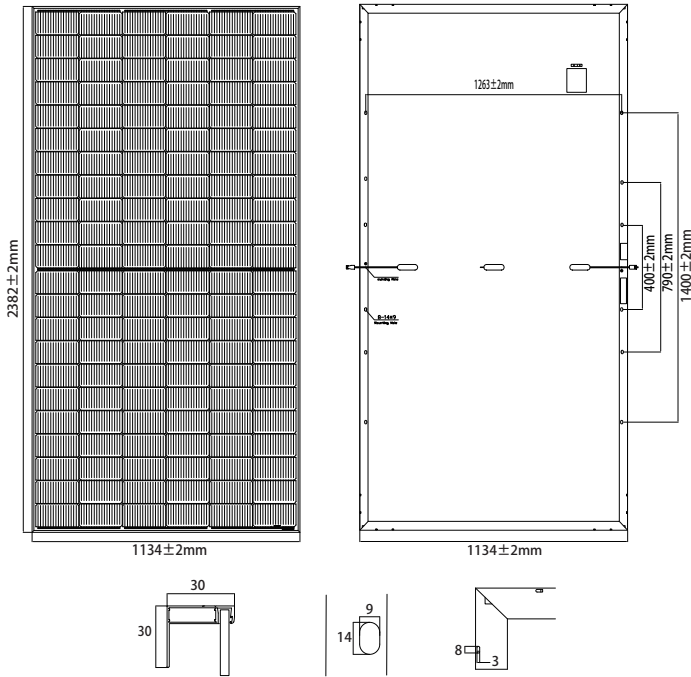
**PICC** Product Insurance



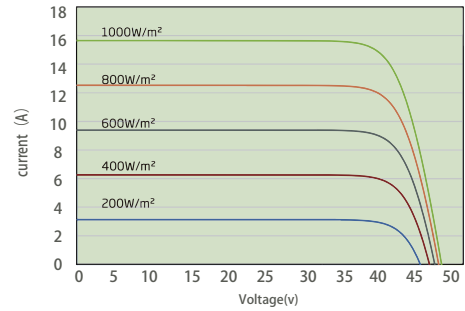
**15 years** Product quality & process guarantee

**30 years** Linear power guarantee

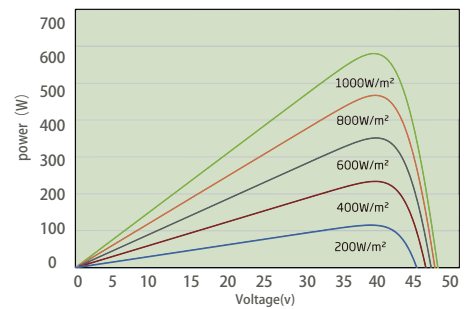
**DWSIGH**



**I-V CURVES OF PV MODULE (630W)**



**P-V CURVES OF PV MODULE (630W)**



**ELECTRIC CHARACTERISTICS**

Model of modules	XP-MH66R-615W		XP-MH66R-620W		XP-MH66R-625W		XP-MH66R-630W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Model of modules	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power-Pmax(W)	615	463	620	467	625	471	630	475
Open Circuit voltage-Voc(V)	48.07	45.79	48.37	45.94	48.52	46.09	48.67	46.24
Short Circuit Current-ISC (A)	15.94	13.05	16.02	13.12	16.10	13.19	16.18	13.26
Maximum Power Voltage-Vmpp (V)	39.97	37.64	40.12	37.79	40.27	37.94	40.42	38.09
Maximum Power Current-Impp (A)	15.39	12.31	15.46	12.37	15.53	12.42	15.59	12.47
Module efficiency (%)	22.8%		23.0%		23.1%		23.3%	
Module efficiency w/m	227.7W		229.5W		231.4W		233.2W	
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 182x 105mm
Number of cells	120cells
Module Dimensions(L*W*H)	2382±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	31.5kg
Mechanical load	5400Pa

**PACKAGING CONFIGURATION**

Container	20GP	40HQ
Quantity/pallet	36 pieces	36 pieces
Pallet/container	5 pallets	20 pallets
Quantity/container	180 pieces	720pieces

**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.