



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

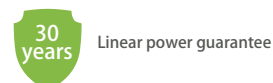
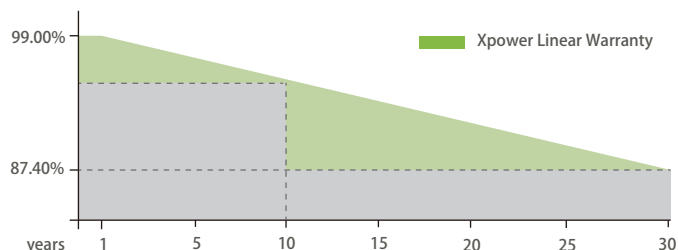
575W-590W

XP-MH72L-575W-590W Dual Glass

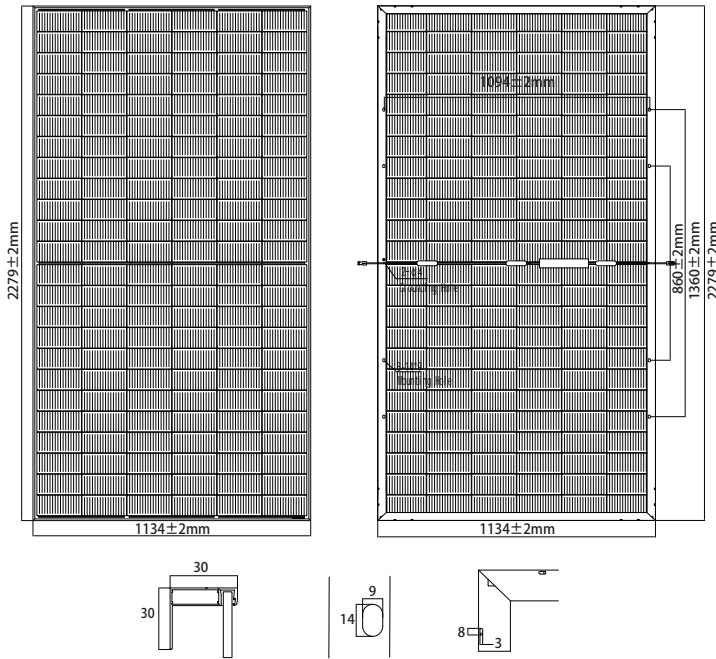
N type Mono-crystalline

TOPCON Module

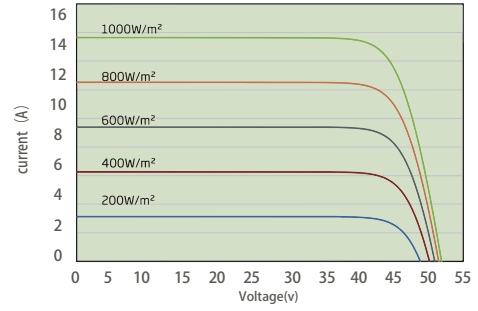
Comprehensive Products and System Certificates



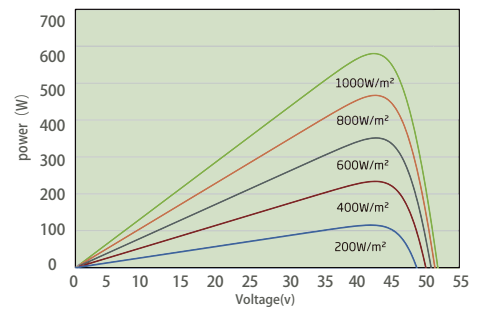
DWSIGH



I-V CURVES OF PV MODULE (580w)



P-V CURVES OF PV MODULE (580w)



ELECTRIC CHARACTERISTICS

Model of modules	XP-MH72L-575W Dual Glass		XP-MH72L-580W Dual Glass		XP-MH72L-585W Dual Glass		XP-MH72L-590W Dual Glass	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power-Pmax(W)	575	432	580	436	585	440	590	444
Open Circuit voltage-Voc(V)	50.88	48.33	51.02	48.46	51.16	48.60	51.30	48.74
Short Circuit Current-ISC (A)	14.39	11.62	14.47	11.68	14.55	11.75	14.63	11.82
Maximum Power Voltage-VMPP (V)	42.22	39.60	42.37	39.69	42.52	39.81	42.67	39.93
Maximum Power Current-IMPP (A)	13.62	10.92	13.69	10.99	13.76	11.05	13.83	11.11
Module efficiency (%)	22.2%		22.4%		22.6%		22.8%	
Module efficiency w/m	222.5W		224.4W		226.4W		228.3W	

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/5

MECHANICAL DATA

Solar Cells	TOPCON Monocrystalline 182x 91mm
Number of cells	144 cells
Module Dimensions(L*W*H)	2279±2 x 1134±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	31.5kg
Packging configuration (Container 40HQ)	Quantity/pallet: 36 pieces
	Pallet/container: 20 pallets
	Quantity/container: 720 pieces

REAR SIDE POWER GAIN

Total Equivalent power -P _{MAX} (Wp)	575	580	585	590
Maximum Power Voltage-VMPP (V)	42.22	42.37	42.52	42.67
Maximum Power Current-IMPP (A)	14.99	15.06	15.15	15.21
Open Circuit Voltage-VOC (V)	50.88	51.02	51.16	51.30
Short Circuit Current-ISC (A)	15.85	15.91	15.97	16.03
10% Irradiance ratio (rear/front)	633	638	644	649

reference to 10% Irradiance ratio

TEMPERATURE RATINGS

Nominal operating cell temperature	44±2°C
Temperature Coefficient of P _{Max}	-0.29%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of I _{sc}	+0.04%/°C



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