

GPM310-380W(72)

Photovoltaic Modules

Module	GPM310-380W(72)									
Encapsulation	Glass/EVA/Cell/EVA/Backsheet									
Size and Number of cells	156*mm*156mm 72/6*12pcs									
Maximum Power Pmax	W	310	320	330	340	350	360	370	380	
Maximum Power Voltage (Vmp)	V	37.50	38.10	38.40	38.60	38.80	39.10	39.30	39.50	
Maximum Power Current (Imp)	A	8.27	8.40	8.59	8.81	9.02	9.21	9.41	9.62	
Open Circuit Voltage (Voc)	V	45.00	45.72	46.08	46.32	46.56	46.92	47.16	47.40	
Short Circuit Current (Isc)	A	8.68	8.82	9.02	9.25	9.47	9.67	9.89	10.10	
Cell Efficiency	%	18.40	18.76	19.10	19.50	19.80	20.10	20.48	20.80	
Module Efficiency	%	16.14	16.66	17.18	17.70	18.22	18.74	19.26	19.78	
Tolerance	0+3%									
Max System Open Circuit Voltage	1500V									
Max Series Fuse Rating	15A									
Junction Box (protection degree)	≥IP67									
Dimension	1956*992*40mm									
Weight	20.3 kg									
Operate Temperature Scope	-40/+85°C									
Relative Humidity	0~100%									
Frame Thinkness	40/45/50mm									
Frame Colour	Gold/Brown/Black/Silver									

Standard Test Conditions[STC]: irradiance 1,000 W/m²; AM 1.5; module temperature 25 C. Measuring uncertainty of power is within ±3%. Tolerance of Pmp: 0~+3%. Certified in accordance with IEC61215,IEC61730-1/2.

Temperature Coefficients

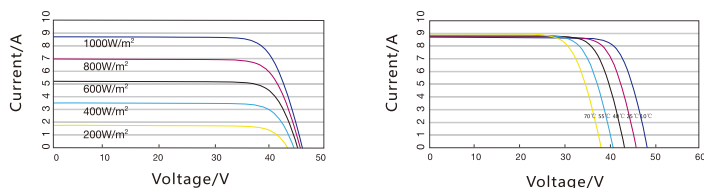
Nominal Operating Cell Temperature(NOCT)	45°C±2°C	
Short Circuit Current Temperature Coefficients	α(Isc)	+0.059%/°C
Open Circuit Voltage Temperature Coefficients	β(Voc)	-0.330%/°C
Peak Power Temperature Coefficients	γ(Pmax)	-0.410%/°C
Output		
Cable 4.0mm ² (TUV)	Length 900/1200mm	Connector MC4 type

Advantage

G&P series modules consist of **mono-crystalline** high efficient silicon cells, which are individually characterized and electronically matched before interconnection and laminated with toughened glass, EVA&Backsheet of high quality.

After assembled with anodized aluminum alloy frame, cable and junction box with MC4 connectors, G&P solar modules can be installed easily and work for a long period. At the same time, they can withstand the storm, strong wind and hail impact, etc.

I-V Curves



Dimensions

