



G&P New Energy Solutions

Mono-crystalline

GPM110-130W(36)

Photovoltaic modules
36pcs mono-crystalline silicon cell

GPM-110W
GPM-125W

GPM-115W
GPM-130W

GPM-120W



Strengths

- +3%** Tolerance: 0+3%
- Plug&Play Connectors
- High transmission, low Iron Tempered Glass
- Bypass Diodes Protection
- Salt Mist And Ammonia Resistance Test
- 5400 Pa snow load
2400 Pa wind load

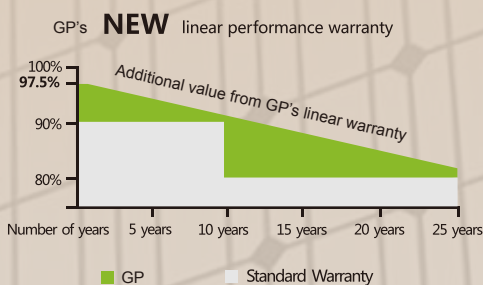


Warranty

- 10** Manufacturing 10 years
- 2** Power Production 90%:12 years 80%:25 years

Insurance

Insured
By CHUBB



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GPM110-130W(36)



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Photovoltaic Modules

Module	GPM110-130W(36)					
Encapsulation	Glass/EVA/Cell/EVA/Backsheet					
Maximum Power Pmax	W	110	115	120	125	130
Maximum Power Voltage (Vmp)	V	18.00	18.00	18.20	18.20	18.00
Maximum Power Current (Imp)	A	6.11	6.39	6.59	6.87	7.22
Open Circuit Voltage (Voc)	V	21.60	21.60	21.84	21.84	21.60
Short Circuit Current (Isc)	A	7.33	7.67	7.91	8.24	8.67
Cell Efficiency	%	15.00	15.20	15.40	15.60	15.60
Module Efficiency	%	14.85	14.89	14.95	14.99	15.53
Tolerance	0+3%					
Max System Open Circuit Voltage	600V					
Junction Box (protection degree)	≥IP67					
Dimension	1220*808*35mm					
Weight	10kg					
Operate Temperature Scope	-40/+85°C					
Relative Humidity	0~100%					
Frame Thickness	35mm					
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

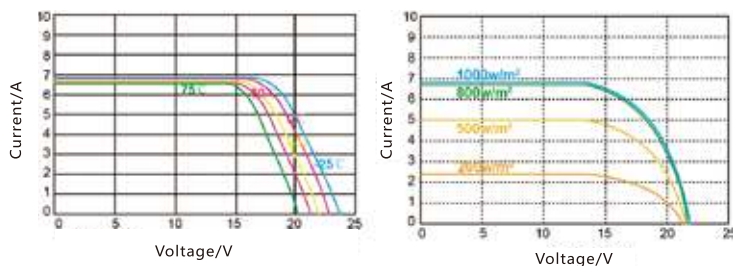
NOCT	45°C±2°C	
Short Circuit Current Temperature Coefficients	$\alpha(I_{sc})$	+0.059%/°C
Open Circuit Voltage Temperature Coefficients	$\beta(V_{oc})$	-0.330%/°C
Peak Power Temperature Coefficients	$\gamma(P_{max})$	-0.410%/°C
Nominal Operating Cell Temperature(NOCT) : 45°C±2°C		
Output		
Cable 4.0mm ² (TUV)	Length 900mm	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

