



G&P New Energy Solutions

# Mono-crystalline

## GPM100-110W(36)

Photovoltaic modules  
36pcs mono-crystalline silicon cell



Salt Mist And Ammonia Resistance Test

### 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

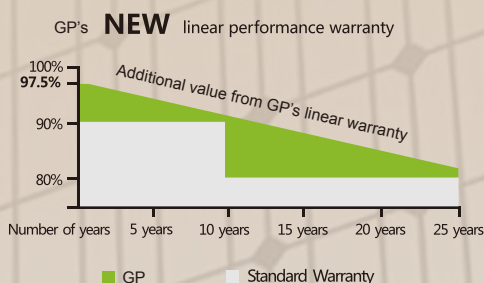


### Warranty

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

### Insurance

Insured  
By CHUBB



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# GPM100-110W(36)



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## Photovoltaic Modules

Module	GPM100-110W(36)		
Encapsulation	Glass/EVA/Cell/EVA/Backsheet		
Maximum Power Pmax	W	100	110
Maximum Power Voltage (Vmp)	V	18.00	18.00
Maximum Power Current (Imp)	A	5.56	6.11
Open Circuit Voltage (Voc)	V	21.60	21.60
Short Circuit Current (Isc)	A	6.04	7.33
Cell Efficiency	%	17.8	17.8
Module Efficiency	%	14.63	14.85
Tolerance	0+3%		
Max System Open Circuit Voltage	600V		
Junction Box (protection degree)	≥IP67		
Dimension	1030*680*35mm		
Weight	7.6kg		
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/m<sup>2</sup>; 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

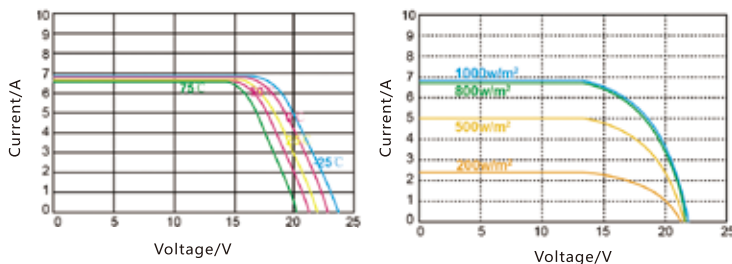
NOCT	45°C±2°C	
Short Circuit Current Temperature Coefficients	α(Isc)	+0.059%/°C
Open Circuit Voltage Temperature Coefficients	β(Voc)	-0.330%/°C
Peak Power Temperature Coefficients	γ(Pmax)	-0.410%/°C
Nominal Operating Cell Temperature(NOCT) : 45°C±2°C		
<b>Output</b>		
Cable 4.0mm <sup>2</sup> (TUV)	Length 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

