



G&P New Energy Solutions

# Mono-crystalline

## GPM70-100W(36)

Photovoltaic modules  
36pcs mono-crystalline silicon cell

GPM-70W  
GPM-90W

GPM-75W  
GPM-95W

GPM-80W  
GPM-100W



## Strengths

- 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

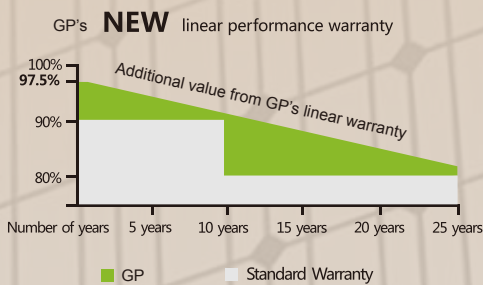


## Warranty

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

## Insurance

Insured  
By CHUBB



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## Photovoltaic Modules

Module	GPM70-100W(36)						
	Glass/EVA/Cell/EVA/Backsheet						
Encapsulation							
Maximum Power Pmax	W	70	75	80	90	95	100
Maximum Power Voltage (Vmp)	V	18.40	18.60	18.80	18.20	18.40	18.60
Maximum Power Current (Imp)	A	3.80	4.03	4.25	4.95	5.16	5.38
Open Circuit Voltage (Voc)	V	22.08	22.32	22.56	21.84	22.08	22.32
Short Circuit Current (Isc)	A	4.57	4.84	5.10	5.93	6.20	6.45
Cell Efficiency	%	16.30	17.50	18.20	16.20	16.90	17.80
Module Efficiency	%	14.80	14.90	15.20	14.98	15.00	15.30
Tolerance			0+3%			0+3%	
Max System Open Circuit Voltage			600V			600V	
Junction Box (protection degree)			≥IP67			≥IP67	
Dimension		780*680*30mm			1200*550*35mm		
Weight		5.6kg			7.1kg		
Operate Temperature Scope		-40/+85°C			-40/+85°C		
Relative Humidity		0~100%			0~100%		
Frame Thickness		30mm			35mm		
Frame Colour		Gold/Brown/Black/Silver			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 Pmpp: 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

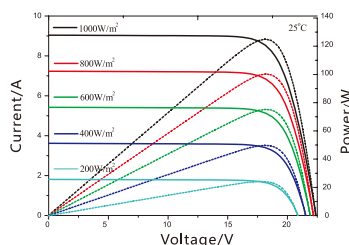
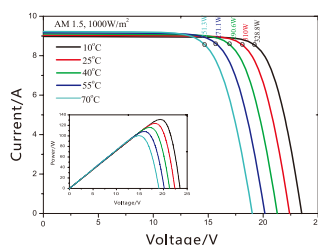
Output		
Cable 4.0mm <sup>2</sup> (TUV)	Length 900mm	Connector MC4 type

## 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

