



G&P New Energy Solutions

# Poly-crystalline

## GPP70-100W(36)

Photovoltaic modules  
36pcs poly-crystalline silicon cell

GPP-70W  
GPP-90W

GPP-75W  
GPP-95W

GPP-80W  
GPP-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



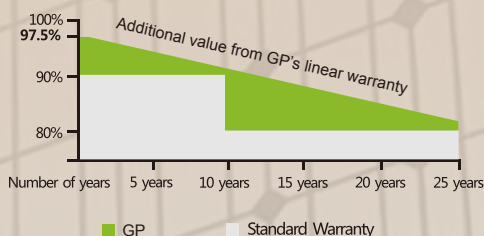
Power Production  
90%:12 years 80%:25 years

## Insurance



Insured  
By CHUBB

GP's **NEW** linear performance warranty



Add : Meilong Block, Chengxi New Zone Yongkang City ,  
Zhejiang Province 321200 P.R. China

Tel : +86 579-87367775

Fax : +86 579-87367713

Web : [www.eurosolargp.com](http://www.eurosolargp.com)

Email : [info@eurosolargp.com](mailto:info@eurosolargp.com)



# GPP70-100W(36)



G&P New Energy Solutions

## Photovoltaic Modules

Module	GPP70-100W(36)						
	Glass/EVA/Cell/EVA/Backsheet						
Encapsulation							
Maximum Power Pmax	W	70	75	80	90	95	100
Maximum Power Voltage (Vmp)	V	17.90	18.00	18.50	17.50	17.90	18.30
Maximum Power Current (Imp)	A	3.91	4.17	4.32	5.14	5.31	5.46
Open Circuit Voltage (Voc)	V	22.02	22.14	22.76	21.53	22.02	22.51
Short Circuit Current (Isc)	A	4.22	4.50	4.67	5.55	5.73	5.90
Cell Efficiency	%	16.00	17.20	18.30	15.50	16.30	17.20
Module Efficiency	%	14.86	14.93	15.02	14.62	14.68	14.73
Tolerance			0+3%			0+3%	
Max System Open Circuit Voltage			600V			600V	
Junction Box (protection degree)			≥IP67			≥IP67	
Dimension		780*680*30mm			1030*680*35mm		
Weight		5.6kg			7.3kg		
Operate Temperature Scope		-40/+85°C			-40/+85°C		
Relative Humidity		0~100%			0~100%		
Frame Thinkness		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)	+0.045%/°C
Open Circuit Voltage Temperature Coefficients	β(Voc)	-0.292%/°C
Peak Power Temperature Coefficients	γ(Pmax)	-0.408%/°C

Nominal Operating Cell Temperature(NOCT) : 45°C±2°C

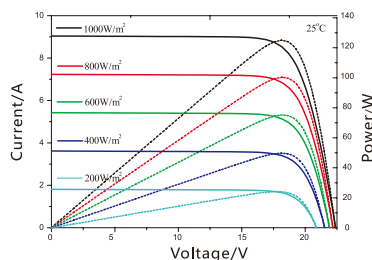
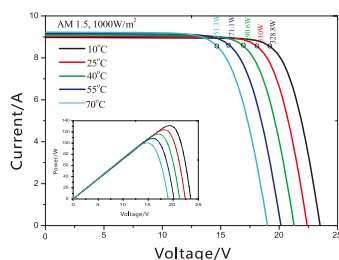
Output		
Cable 4.0mm <sup>2</sup> (TUV)	Length 900mm	Connector MC4 type

## Advantage

G&P series modules consist of **poly-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

