



G&P New Energy Solutions

# Poly-crystalline

## GPP300-340W(72)

Photovoltaic modules

72pcs 156\*156mm poly-crystalline silicon cell



## 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

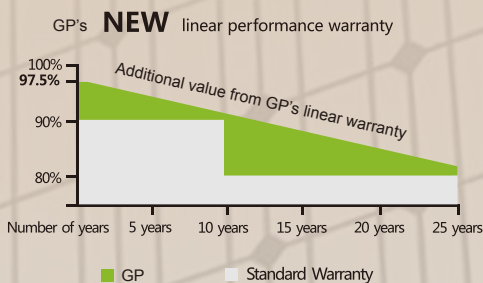


## Warranty

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

## Insurance

Insured By CHUBB



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# GPP300-340W(72)



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## Photovoltaic Modules

Module	GPP300-340W(72)							
Encapsulation	Glass/EVA/Cell/EVA/Backsheet							
Size and Number of cells	156*mm*156mm 72/6*12pcs							
Maximum Power Pmax	W	300	310	315	320	325	330	340
Maximum Power Voltage (Vmp)	V	36.72	37.55	37.69	37.85	38.01	38.16	38.25
Maximum Power Current (Imp)	A	8.17	8.26	8.35	8.46	8.56	8.65	8.89
Open Circuit Voltage (Voc)	V	45.17	46.19	46.37	46.56	46.74	46.94	47.02
Short Circuit Current (Isc)	A	8.74	8.84	8.95	9.05	9.18	9.25	9.31
Cell Efficiency	%	17.12	17.69	17.95	18.26	18.53	18.83	19.40
Module Efficiency	%	15.46	15.97	16.21	16.49	16.87	17.01	17.52
Tolerance	0+3%							
Max System Open Circuit Voltage	1000V							
Max Series Fuse Rating	15A							
Junction Box (protection degree)	≥IP67							
Dimension	1956*992*40mm							
Weight	21kg							
Operate Temperature Scope	-40/+85°C							
Relative Humidity	0~100%							
Frame Thickness	40mm							
Frame Colour	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

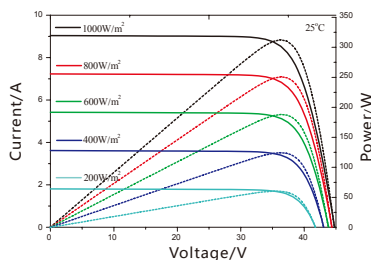
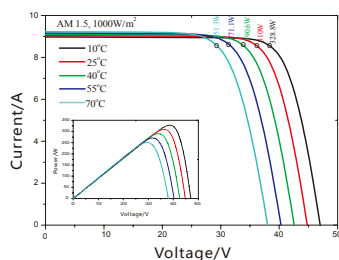
NOCT		45°C±2°C
Short Circuit Current Temperature Coefficients	α(Isc)	+0.045%/°C
Open Circuit Voltage Temperature Coefficients	β(Voc)	-0.292%/°C
Peak Power Temperature Coefficients	γ(Pmax)	-0.408%/°C
Nominal Operating Cell Temperature(NOCT) : 45°C±2°C		
<b>Output</b>		
Cable 4.0mm <sup>2</sup> (TUV)	Length 900/1200mm	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

