



G&P New Energy Solutions

Mono-crystalline

GPM190-210W(72)

Photovoltaic modules
72pcs 125*125mm mono-crystalline silicon cell

GPM-190W
GPM-205W

GPM-195W
GPM-210W

GPM-200W



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

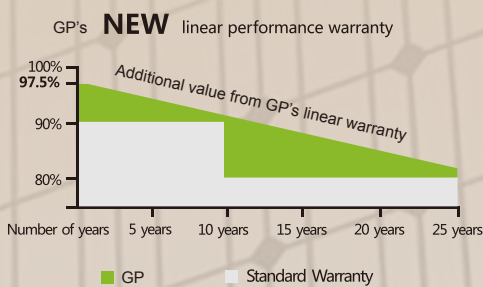


Warranty

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

Insurance

Insured
By CHUBB



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GPM190-210W(72)



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Photovoltaic Modules

Module	GPM190-210W(72)					
Encapsulation	Glass/EVA/Cell/EVA/Backsheet					
Maximum Power Pmax	W	190	195	200	205	210
Maximum Power Voltage (Vmp)	V	36.20	36.40	36.60	36.80	37.00
Maximum Power Current (Imp)	A	5.25	5.36	5.46	5.57	5.68
Open Circuit Voltage (Voc)	V	43.44	43.68	43.92	44.16	44.40
Short Circuit Current (Isc)	A	6.30	6.43	6.56	6.68	6.81
Cell Efficiency	%	17.00	17.40	17.80	18.20	18.60
Module Efficiency	%	15.49	15.50	15.70	15.75	15.85
Tolerance	0+3%					
Max System Open Circuit Voltage	1000V					
Junction Box (protection degree)	≥IP67					
Dimension	1580*808*35mm					
Weight	13.3kg					
Operate Temperature Scope	-40/+85°C					
Relative Humidity	0~100%					
Frame Thinkness	35/40mm					
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	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

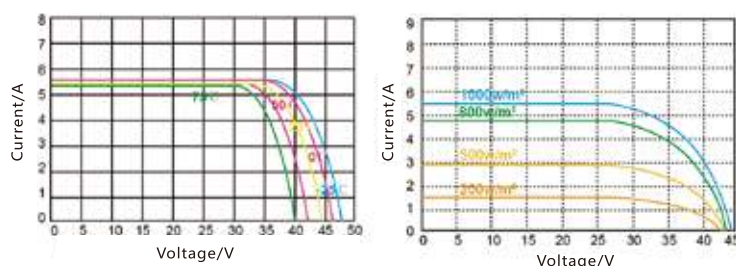
Output		
Cable 4.0mm ² (TUV)	Length 900mm	Connector MC4 type

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

