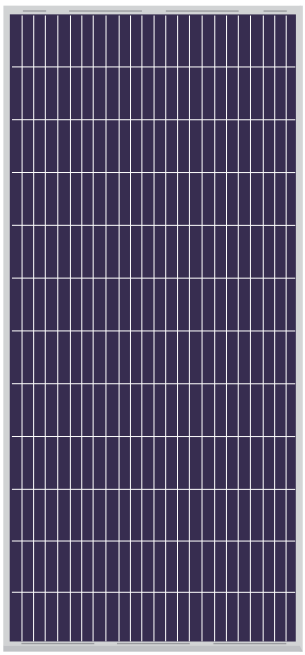
www.gppv.cc

Photovoltaic Modules
72pcs 156*156mm poly-crystalline silicon cell

GPM310P-B-72



Photovoltaic Modules

72pcs 156×156mm poly-crystalline silicon cell

The GPM310P series module consists of 72pcs 156×156mm poly-crystalline silicon solar cell which are in high efficiency, individually characterized and electroncially matched before interconnection. Laminated with high quality toughened glass, EVA and TPT, characteristic operation of solar cells can be ensured under any climatic conditions.

After assembled by anodized aluminum alloy frame and junction box with MC compatibile connectors, the GPPV solar modules are designed for long service life, easy to install, withstand the storm, high wind and hail impact etc.

Module		GPM310P-B-72								
Encapsulation		Glass/EVA/Cells/ EVA/TPT								
Size and Number of cells		156mm×156mm 72/6×12pcs								
Maximum Power (Pmax)	W	270	275	280	285	290	295	300	305	310
Power Tolerance		±3%								
Open Circuit Voltage (Voc)	V	44.5	44.5	44.6	44.6	44.8	44.8	45.0	45.0	45.2
Short Circuit Current (Isc)	A	8.20	8.27	8.34	8.41	8.48	8.55	8.62	8.69	8.76
Maximum Power Voltage (Vmp)	V	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8
Maximum Power Current (Imp)	A	7.71	7.83	7.95	8.07	8.19	8.31	8.43	8.54	8.66
Max.syst. Oper. voltage	V	1000V								
Diodes		3 by-pass								
Dimension	mm	1950×990×50								
Weight	kg	23.5								
Operate Temp. scope	℃	-40/+85								
Relative humidity		0 to 100%								
Resistances		227g steel ball fall down from 1m height and 60m/s wind								
Warranty		Pm is not less than 90% in 10 years and 80% in 25 years								

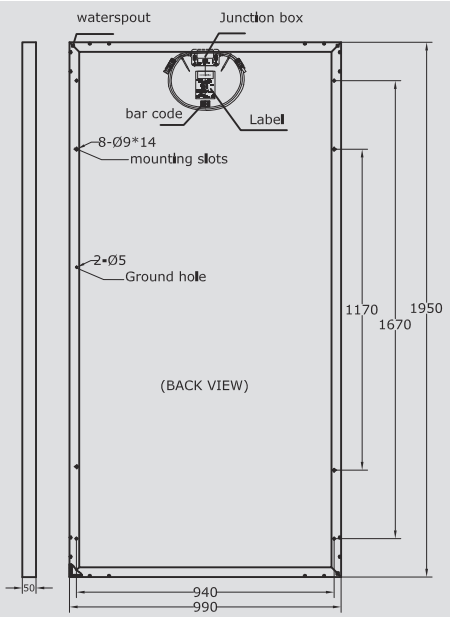
Test condition: @STC 1000W/m², AM1.5, 25℃

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GPM310P-B-72

Photovoltaic Modules

72pcs 156×156mm poly-crystalline silicon cell



Module Diagram

Specifications

Cell	Poly-crystalline silicon solar cells 156mm×156mm
No. of cells and connections	72(6×12)
Dimension of module	1950mm×990mm×50mm

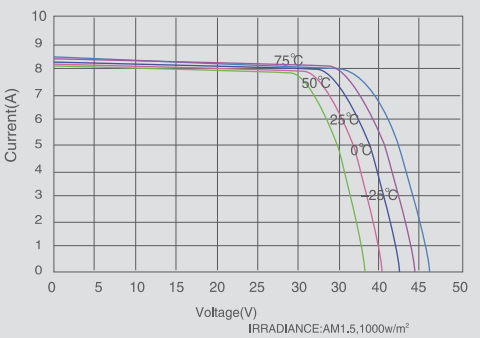
Temperature Coefficients

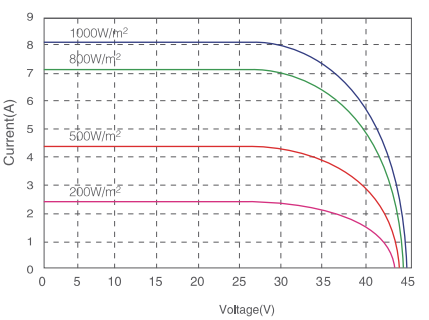
Nominal Operating Cell Temperature		46℃±2℃
Short-circuit current temperature coefficient	α(Isc)	0.05%/℃
Open-circuit voltage temperature coefficient	β(Voc)	-0.33%/℃
Peak power temperature coefficient	γ(Pmax)	-0.48%/℃

above data is only for reference

Output

Cable	4.0mm² (TÜV)
Lengths	1100mm
Connecter	MC Compatibile





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