

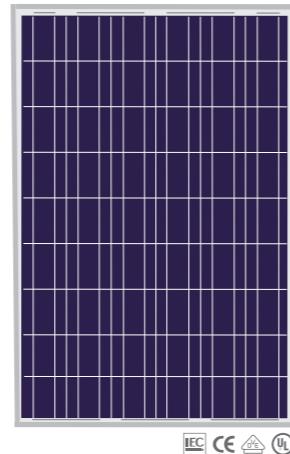
Photovoltaic Modules

Photovoltaic modules
54pcs 156×156mm poly-crystalline silicon cell

GPM200P-B-54

The GPM200P-B series module consists of 54pcs 156×156mm poly-crystalline silicon solar cells which are in high efficiency, individually characterized and electronically 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 connectors, the GPPV solar modules are designed for long service life, easy to install, withstand the storm, high wind and hail impact etc.



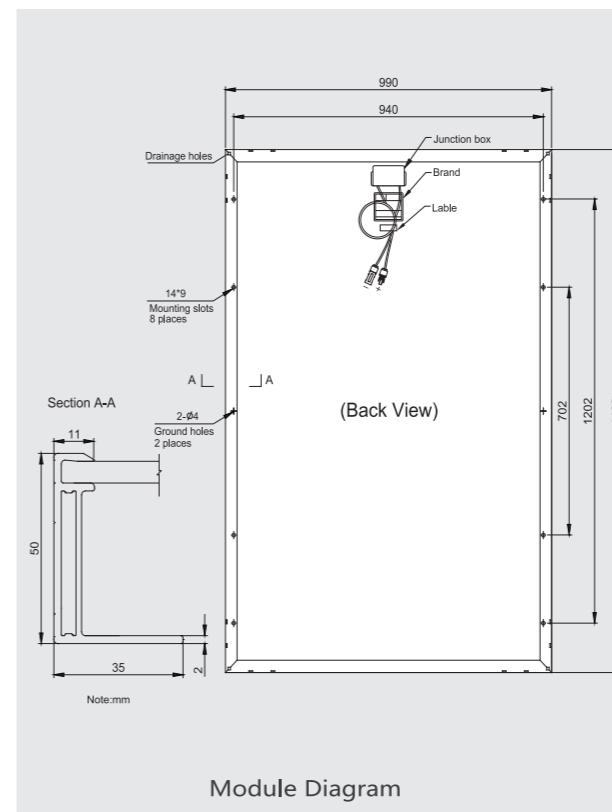
Module									GPM200P-B-54							
Encapsulation									Glass/EVA/Cells/ EVA/TPT							
Size and Number of cells									156mm×156mm 54/6×9pcs							
Maximum Power (Pmax)	W	180	185	190	195	200	205	210	215	220						
Power Tolerance											±3%					
Open Circuit Voltage (Voc)	V	32.7	33.0	33.0	33.4	33.4	33.6	33.6	33.7	33.8						
Short Circuit Current (Isc)	A	7.65	7.75	7.89	7.95	8.12	8.21	8.33	8.34	8.35						
Maximum Power Voltage (Vm)	V	25.8	25.9	26.0	26.1	26.2	26.3	26.4	27.0	27.3						
Maximum Power Current (Im)	A	6.98	7.16	7.31	7.49	7.63	7.81	7.95	7.98	8.06						
Max.syst. Oper. voltage	V					1000V										
Diodes						6 by-pass										
Dimension	mm					1482×990×50										
Weight	kg					18.5										
Operate Temp. scope	°C					-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°C

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Module Diagram

Specifications

Cell	Poly-crystalline silicon solar cells 156mm×156mm
No. of cells and connections	54(6×9)
Dimension of module	1482mm×990mm×50mm

Temperature Coefficients

Nominal Operating Cell Temperature	46°C±2°C
Short-circuit current temperature coefficient	$\alpha(I_{SC})$ 0.08%/°C
Open-circuit voltage temperature coefficient	$\beta(V_{OC})$ -0.32%/°C
Peak power temperature coefficient	$\gamma(P_{MAX})$ -0.38%/°C

above data is only for reference

Output

Cable	4.0mm ² (TUV)
Lengths	1100mm
Connector	MC Type

