

GTEC-G6M69 series

Electrical Characteristics

Identical Specification to Commodity ASEC-235G6M69~ ASEC-255G6M69

Model	GTEC-235G6M69	GTEC-240G6M69	GTEC-245G6M69	GTEC-250G6M69	GTEC-255G6M69
Maximum Power (Pmax)	235wp	240wp	245wp	250wp	255wp
Maximum Power Voltage (Vpm) [V]	27.20	27.37	27.47	27.59	27.72
Maximum Power Current (Ipm) [A]	8.64	8.77	8.92	9.06	9.20
Open Circuit Voltage (Voc) [V]	34.06	34.19	34.36	34.52	34.73
Short Circuit Current (Isc) [A]	9.02	9.14	9.26	9.38	9.51
Module efficiency [%]	16.04%	16.39%	16.73%	17.07%	17.41%
Temperature coefficient of P max [%/K]			-0.4033		
Temperature coefficient of Voc [%/K]			-0.2960		
Temperature coefficient of Isc [%/K]			0.0540		
Series Fuse [A]			12		
Maximum System Voltage [V dc]			1000		
NOCT			43.4°C		

- ※ Measured at Standard Test Condition (STC): Irradiance of 1000W/m², AM 1.5, and Cell Temperature 25°C
- ※ Normal Operating Cell Temperature (NOCT): Irradiance of 800W/m², Temperature 20° C, Wind Speed 1m/s

Mechanical Characteristics	
Cell Type	6 inch (4BB)
Cell Configuration	54 in series
Cable Length (mm)	1000
Dimension (mm)	1481 x 989 x 40
Weight (kg)	17.2
Backsheet Color	White / Black
Frame Color	Silver / Black
Connectors	MC4 compatible

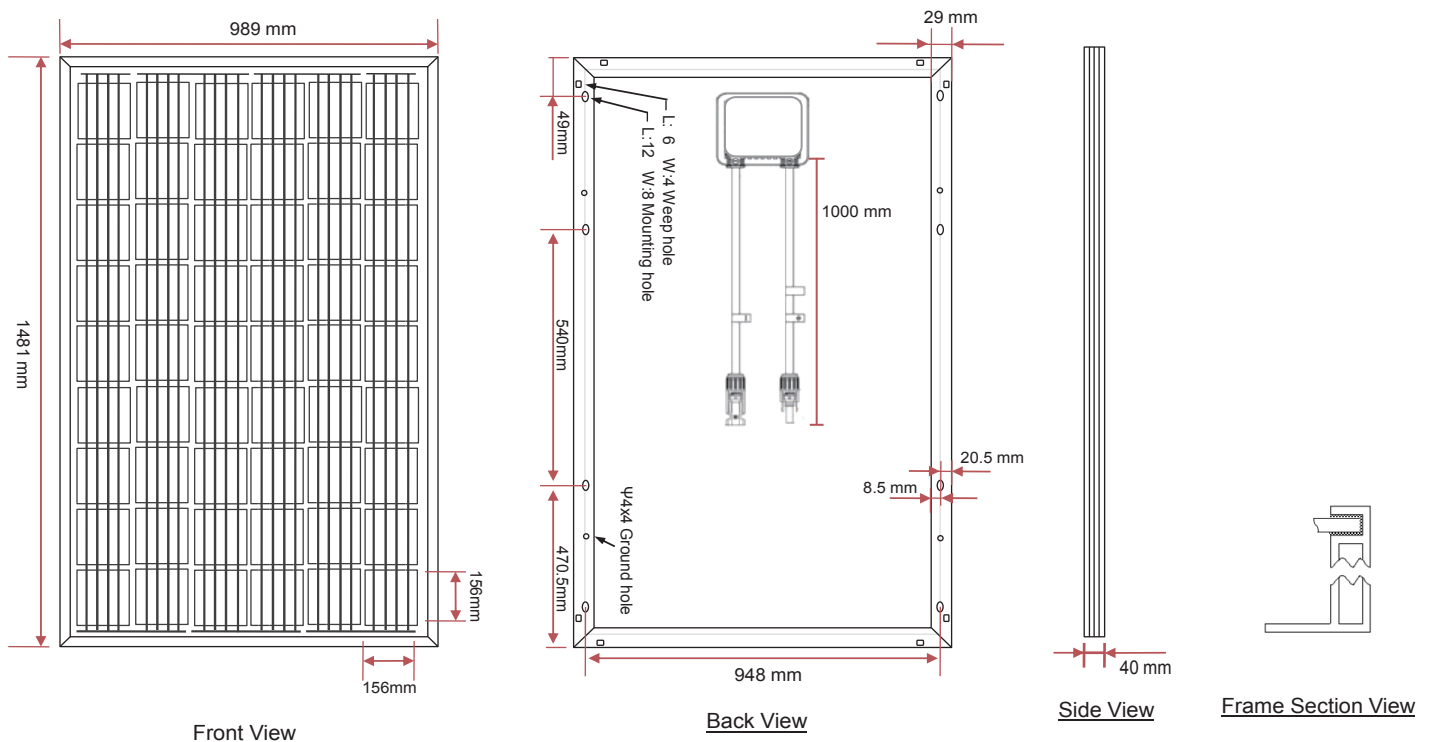
- ※ Color of backsheet and frame can be customized.
- ※ Dimension tolerance +/- 1.5 mm.

Qualification Test Conditions	
Temperature Cycling Range	-40°C to +85°C
Static Load	5400pa
Hailstone Impact	25mm hail at 23m/s

Warranties	
Performance	12 years 90% Power Guarantee
	25 years 80% Power Guarantee

Certificates

Technical drawing



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