

GTEC-G6M6B series

Electrical Characteristics

Identical Specification to Commodity ASEC-280G6M6B~ ASEC-300G6M6B

Model	GTEC-280G6M6B	GTEC-285G6M6B	GTEC-290G6M6B	GTEC-295G6M6B	GTEC-300G6M6B
Maximum Power (Pmax)	280wp	285wp	290wp	295wp	300wp
Maximum Power Voltage (Vpm) [V]	32.98	33.10	33.18	33.33	33.44
Maximum Power Current (Ipm) [A]	8.49	8.61	8.74	8.85	8.97
Open Circuit Voltage (Voc) [V]	41.64	41.75	41.89	41.99	42.13
Short Circuit Current (Isc) [A]	8.93	9.03	9.12	9.22	9.32
Module efficiency [%]	15.79%	16.07%	16.35%	16.64%	16.92%
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	66 in series
Cable Length (mm)	1000
Dimension (mm)	1793 x 989 x 45
Weight (kg)	21.0
Backsheet Color	White / Black
Frame Color	Silver / Black
Connectors	MC4 compatible

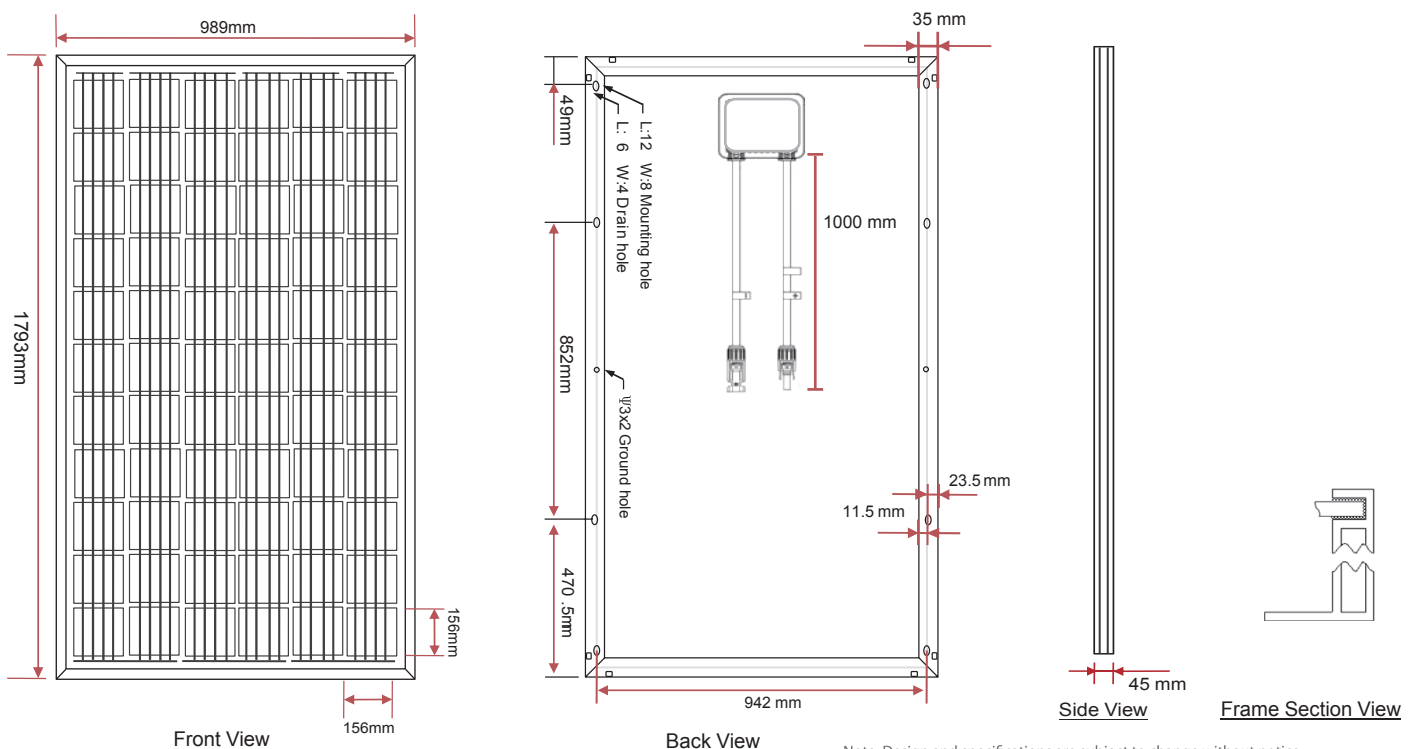
- ※ Color of backsheet and frame can be customized.
- ※ Dimension tolerance +/- 1.5mm.

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



Note: Design and specifications are subject to change without notice.
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