

GTEC-G6S6B series

Electrical Characteristics

Identical Specification to Commodity ASEC-300G6S6B~ ASEC-320G6S6B

Model	GTEC-300G6S6B	GTEC-305G6S6B	GTEC-310G6S6B	GTEC-315G6S6B	GTEC-320G6S6B
Maximum Power (Pmax)	300wp	305wp	310wp	315wp	320wp
Maximum Power Voltage (Vpm) [V]	33.33	33.59	33.81	33.98	34.12
Maximum Power Current (Ipm) [A]	9.00	9.08	9.17	9.27	9.38
Open Circuit Voltage (Voc) [V]	41.67	41.90	42.19	42.38	42.57
Short Circuit Current (Isc) [A]	9.41	9.49	9.58	9.69	9.80
Module efficiency [%]	16.92%	17.20%	17.48%	17.76%	18.05%
Temperature coefficient of P max [%/K]			-0.4213		
Temperature coefficient of Voc [%/K]			-0.2972		
Temperature coefficient of Isc [%/K]			0.0499		
Series Fuse [A]			12		
Maximum System Voltage [V dc]			1000		
NOCT			43.3°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 (3BB / 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.

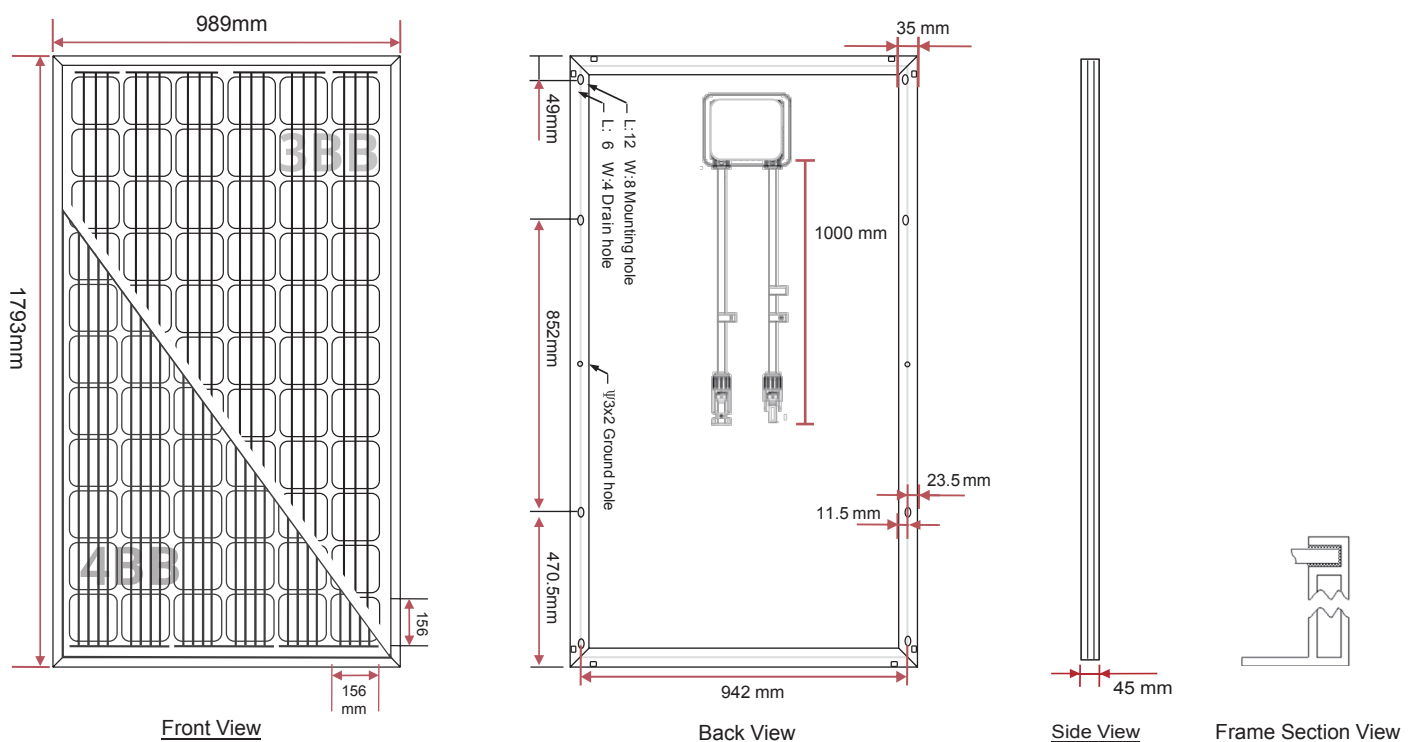
※ Dimension tolerance +/- 1.5mm.

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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