



GSE Solar Power Module - 55 Watt

The GSE Solar Power Module uses the highest efficiency thin-film Copper Indium Gallium DiSelenide (CIGS) solar cells. The GSE line of solar power modules are designed for off grid applications providing reliable power. These are industry conventional framed solar modules great for off-grid battery charging.

Product Features

Product uses Copper Indium Gallium diSelenide (CIGS) technology:

- High efficiency thin-film technology
- Cell efficiency increases after outdoor exposure
- Highest daily energy yield per rated watt
- Proven outdoor reliability
- CIGS technology has no light-induced degradation
- CIGS technology is superior under low light level conditions
- Operating voltage designed for optimal charging of lead-acid batteries

Applications

GSE Solar Power Modules can be used in these applications:

- Rural electrification
- Railroad signals
- Recreational vehicles
- Emergency communication systems
- Water quality and environmental data monitoring systems
- Microwave/Radio repeater stations
- Aviation obstruction lights
- Desalination systems
- Medical facilities in rural areas
- Remote lighting

Physical Features

GSE Solar Power Modules have these physical features:

- Standard frame for easy installation
- Low iron tempered glass for maximum light transmission and weather resistance
- Sealed junction box with lead wires for easy installation in the field
- Highly rated lead wiring to prevent premature aging of covering and insulation
- Easy to install:
- Torsion and corrosion resistant anodized black aluminum frame ensures dependable performance under harsh weather conditions
- Junction box with 3.6' (1100mm) cable with MC compatible leads
- Mounts to industry standard frames and racks

Performance Warranty

GSE Solar Power Modules performance warranty provides:

- 2 year limited warranty on workmanship and materials
- 20 year limited warranty on power output



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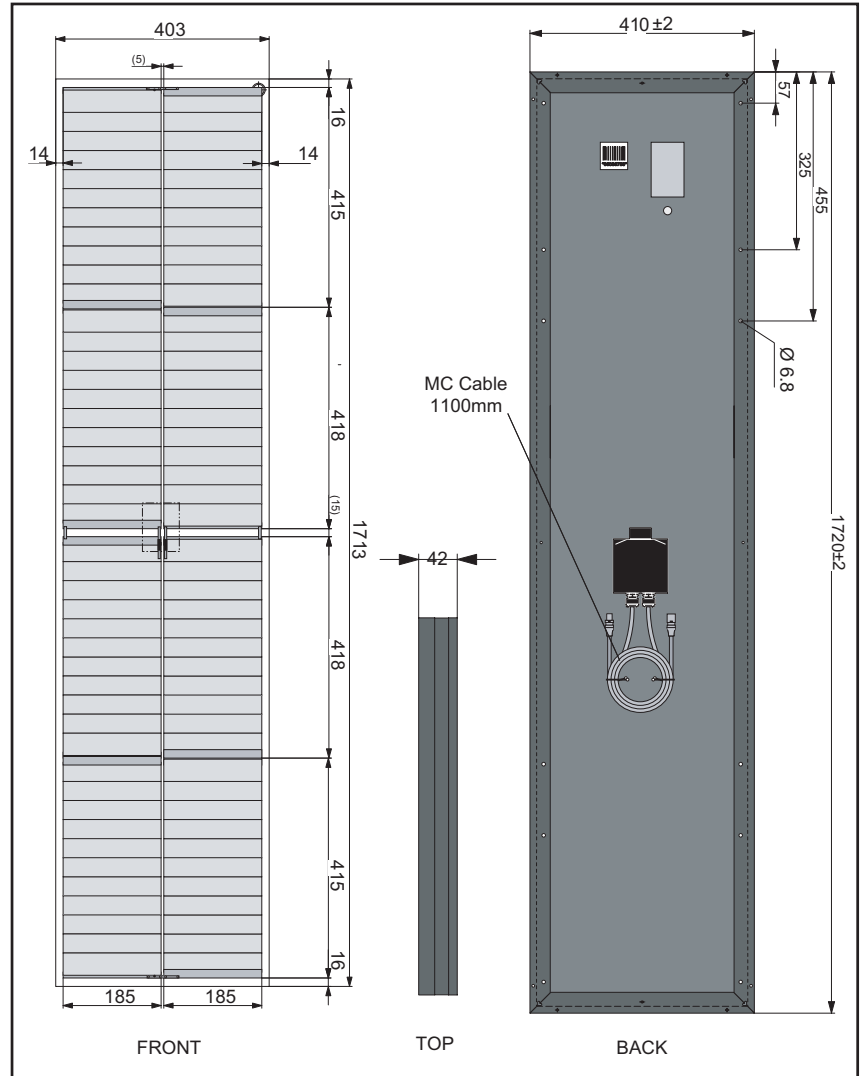
Electrical Features

Electrical Specifications	Model GTS-55
Maximum Power	55 W
Current at Operating Voltage	3.3 A
Operating Voltage	16.7 V
Open Circuit Voltage (Voc)	25 V
Short Circuit Current (Isc)	4.0 A
Temperature Coefficient for Power	-0.5% / °C
Temperature Coefficient for Voltage	-0.5% / °C

Data at Standard Test Conditions (STC)
 STC: irradiance level 1000W / m², spectrum AM 1.5 and cell temperature 25° C
 Expose the module to sunlight for 1-2 days for best measurement results. Rating tolerance +/- 15%

Physical Features

Dimensions	Model GTS-55
Length	1720 mm
Width	410 mm
Depth	42 mm
Weight	10 kg



PRELIMINARY

WARNING – Solar Power Modules generate electricity when exposed to light, even when not connected in a circuit. Shocks and burns can result from contact with module output wiring, misuse or improper connections. Check with installer.

GSE reserves the right to modify these specs without notice.



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