

100W Monocrystalline Solar Panel GS-STAR-100W



Overview

This Grape Solar Star series module is ideal for off-grid battery charging systems such as RVs, boats, electric fencing, lighting units, small pumps, electrical gadgets, emergency backup, and more.

- High conversion efficiency monocrystalline cells with long-term output stability and reliability.
- Outstanding electrical performance under high temperature and weak light environments.
- Rigorous quality control to meet the highest international solar panel standards.
- Built-in bypass diodes prevent reverse current flow and reduce shade losses.
- High-transmittance, low iron tempered glass with enhanced stiffness and impact resistance
- Advanced encapsulation material with multi-layer sheet lamination to provide enhanced longevity and performance.

Warranty

- 5 year limited product warranty
- 10 year limited 90% power output warranty
- 25 year limited 80% power output warranty

Refer to warranty document for details.





UL/CSA Rated Junction Box



5-Year Material & 25-Year Power Output Warranties



STAR-Series Nominal For 12V Charging

Mechanical Specifications

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Cell Size	166 mm x 83 mm (6.54 in x 3.27 in)
Module Dimension	810 mm x 715 mm x 35 mm (31.89 in x 28.15 in x 1.38 in)
Number of Cells	36
Weight	7 kg (15.4 lbs)
Mounting Hole Dimension	9 mm x 14mm / 0.35 in x 0.55 in
Cable Length	1200 mm / 47.2 in
Type of Connector	MC-IV comparable
Junction Box	IP65
Rated Snow / Wind Load	50 lbs/ft²

1 Rev.210519



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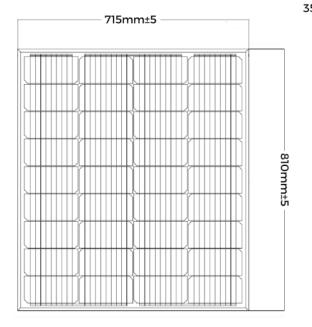


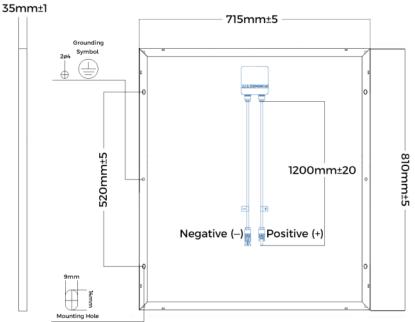
Electrical Specifications

600V
100 W (0%,+3%)
19.12 V
5.23 A
23.1 V
5.59 A
-40°C to +85°C
45°C
-0.30%/ °C
+0.06%/ °C
-0.41%/°C
15 A

(Standard Test Conditions: 25°C, 1000W/m² inadiance, AM=1.5)

Schematics





*Diagram not strict to scale.

Grape Solar reserves the right to modify these specifications without notice.

For service or support call **1-541-349-9000**



www.grapesolar.com

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