

370W Monocrystalline Solar Panel

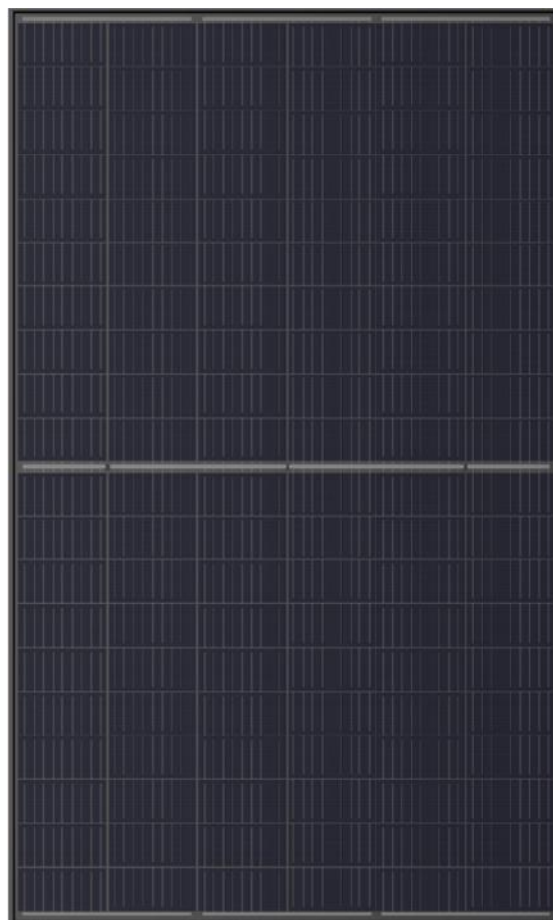
GS-M120-370W-FAB1



Overview

This Grape Solar 24V grid-tied solar module is ideal for any large or small grid-tied/off-grid solar power stations, residential/commercial rooftop and ground systems.

- 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

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

Refer to warranty document for details.



Mechanical Specifications

Cell Size	166 mm x 83mm (6.53 in x 3.26 in)
Module Dimension	1755 mm x 1038 mm x 35 mm (69.09 in x 40.87 in x 1.38 in)
Number of Cells	120
Weight	20.5 kg (40.19 lbs.)
Mounting Hole	9 mm x 14mm / 0.35 in x 0.55 in
Cable Length	1200 mm / 47.24 in
Type of Connector	MC4 Comparable
Junction Box	IP68
Rated Snow / Wind Load	5400 Pa positive load/2400 Pa negative load

370W Monocrystalline Solar Panel

GS-M120-370W-FAB1

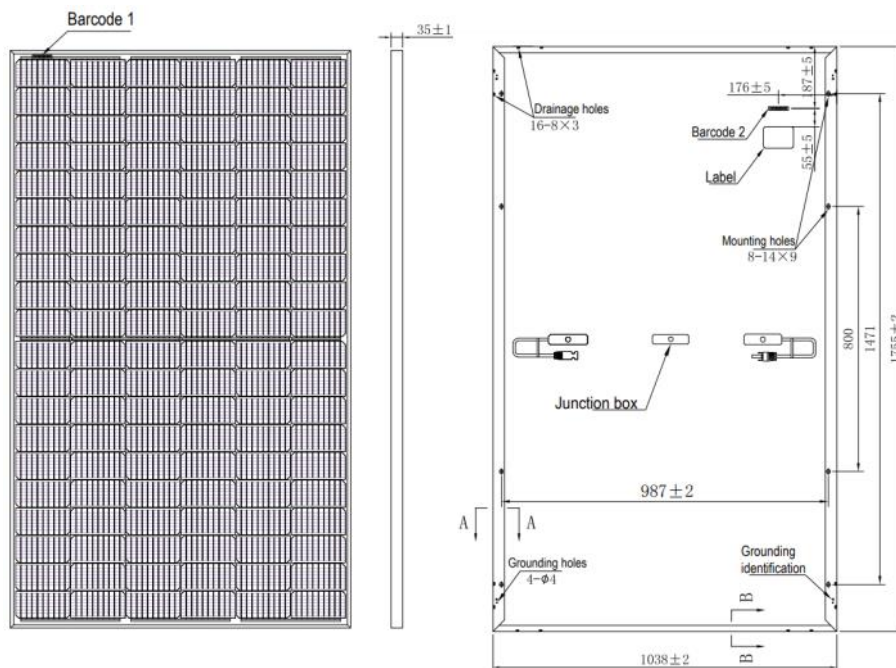


Electrical Specifications

Max System Voltage	1500V
Maximum Power P_{max}	370 W (-5%,+5%)
Voltage at Maximum Power Point V_{mpp}	34.2 V
Current at Maximum Power Point I_{mpp}	10.82 A
Open Circuit Voltage V_{oc}	41.0 V
Short Circuit Current I_{sc}	11.42 A
Operating Temperature	-40°C to +85°C
Normal Operating Cell Temperature	43°C
Temperature Coefficient of V_{oc}	-0.29%/°C
Temperature Coefficient of I_{sc}	+0.05%/°C
Temperature Coefficient of P_{max}	-0.36%/°C
Max Series Fuse Rating	20 A

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

Schematics



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

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

www.grapesolar.com

Grape Solar, Inc.
 2635 West 7th Pl.
 Eugene, OR 97402
 U.S.A.