Grape Solar®
Clean Power. Today.

High Efficiency –Polycrystalline Photovoltaic Module

Overview

- High efficiency solar cells (approx. 18%) with quality silicon material for high module conversion efficiency and long term output stability and reliability.
- Rigorous quality control to meet the highest international standards.
- High transmittance, low iron tempered glass with enhanced stiffness and impact resistance.
- Unique frame design with strong mechanical strength for greater than 50 lbs/ft^2 wind load and snow load withstanding and easy installation.
- Advanced encapsulation material with multilayer sheet lamination to provide long-life and enhanced cell performance.
- Outstanding electrical performance under high temperature and weak light environments.

Applications

- Any large or small on-grid /off-grid solar power stations.
- Commercial/industrial building roof-top and ground systems.
- Residential roof-top and ground systems.

Warranty

- 10 year limited product warranty on materials and workmanship.
- 25 year warranty on >80% power output and 10 year warranty on >90% power output.
- Refer to warranty document for detailed warranty information.

Certifications

UL1703, CEC Listed, MCS and CE
ISO 9001: 2008: Quality management systems, ISO 14001: 2004: Environmental management systems
BS OHSAS 18001: 2007: Occupational health and safety management systems

Mechanical Specifications

Characteristic	Details
Cell Size	156mm x 156mm (6.14” x 6.14”)
Module Dimension (L x W x T)	1650mm x 991mm x 40mm (64.6” x 39.1” x 1.6”)
No. of Cells	6 x 10 = 60
Weight	18.2 kg (40.9 lbs)
Cable Length	1000mm for positive (+) and negative (-)
Type of Connector	MC-IV
Junction Box	IP67 Rated
No. of Holes in Frame	8 installation holes, 16 drainage holes

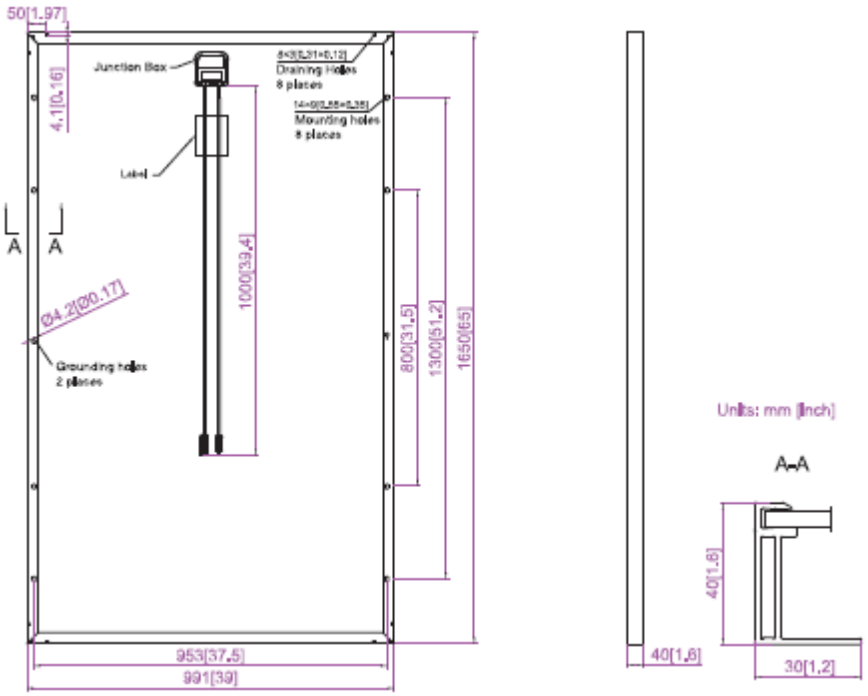
MODEL: GS-P60-265-Fab2

Electrical Specifications
(STC* = 25 ºC, 1000W/m^2 Irradiance and AM=1.5)

Model	GS-P60-265-Fab2
Max System Voltage (IEC/UL)	1000V
Maximum Power P_{max}	265 W (0%, +5%)
Listed PTC Power	192.3 W
Voltage at Maximum Power Point V_{mpp}	30.96 V
Current at Maximum Power Point I_{mpp}	8.56 A
Open Circuit Voltage V_{oc}	38.14 V
Short Circuit Current I_{sc}	9.1 A
Module Efficiency (%)	16.21%
Temperature Coefficient of V_{oc}	-0.33% /ºC
Temperature Coefficient of I_{sc}	+0.058% /ºC
Temperature Coefficient of P_{max}	-0.43% /ºC

*Standard Test Conditions

Physical Specifications mm



Other Performance Data

Power Tolerance	Operating Temperature	Max Series Fuse Rating	NOCT*
0%, +5%	-40 ºC to +85 ºC	15A	45 ºC

*Normal Operating Cell Temperature

For service or support call
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