

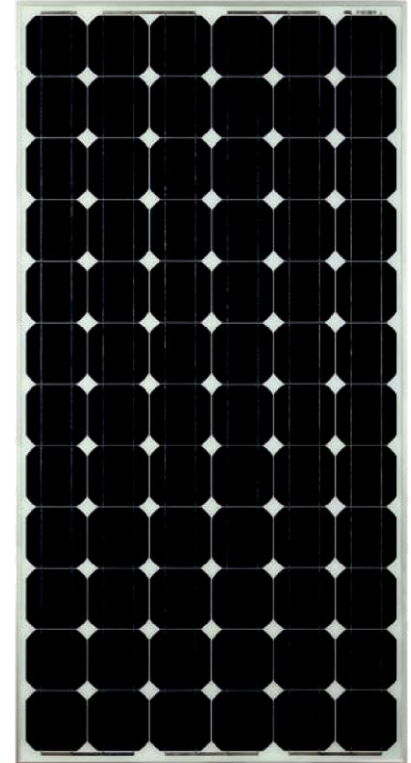


High Efficiency Monocrystalline
Photovoltaic Module



Overview

- High cell efficiency with quality silicon material for long term output stability and reliability.
- Rigorous quality control to meet highest international standards.
- High transmittance, low iron tempered glass with enhanced stiffness and impact resistance.
- Unique frame design with high mechanical strength for easy installation.
- Advanced encapsulation material with multilayer sheet lamination to provide long-life and enhanced cell performance.
- Outstanding electrical performance under high temperature and low irradiance conditions.
- 72 monocrystalline high-efficiency solar cells (approx. 17%).



Applications

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

Warranty

- 10 year limited product warranty on materials and workmanship.
- 25 years limited power warranty on power output.
- ≥90% power output assurance for 10 years and ≥80% power output assurance for 25 years.
- Refer to warranty certificate for detailed warranty conditions.

Certifications

- UL1703 ISO 9000:2000
- CE TUV IEC61215 IEC61730



Mechanical Specifications

Characteristic	Details
Cell Size	125mm x 125mm (4.93" x 4.93")
Module Dimension (L x W x T)	1581mm x 809mm x 40mm (62.3" x 31.9" x 1.6")
No. of Cells	6 x 12 = 72
Weight	15.5 kg (34.2 lbs)
Cable Length	900mm (35.5") for positive (+) and negative (-)
Type of Connector	MC IV
Junction Box	IP65
No. of Holes in Frame	4 draining holes, 4 installation holes, 2 ground line holes, 16 air outlet holes

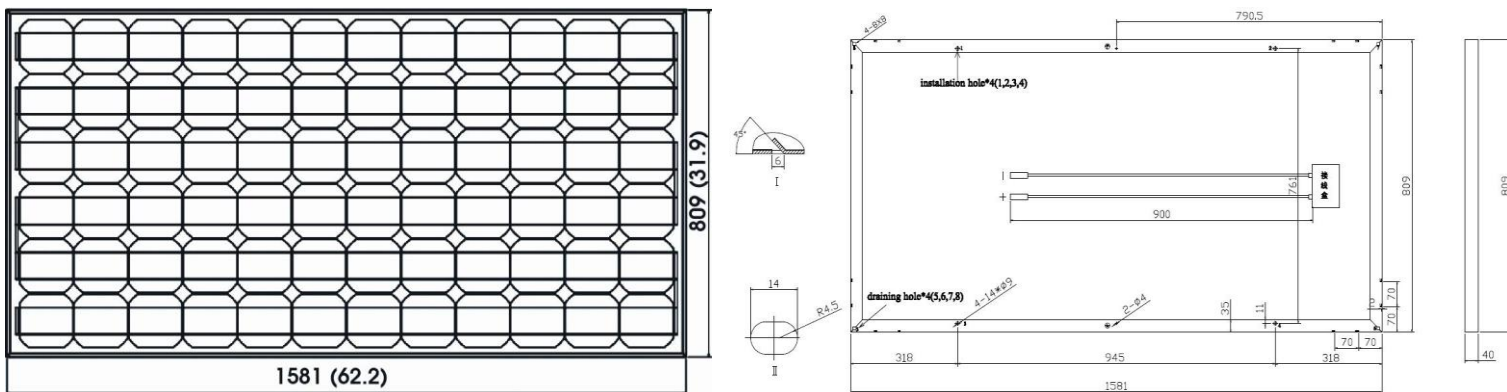
Electrical Specifications

(STC* = 25 °C, 1000W/m² irradiance and AM=1.5)

Model	CS-S-175-DJ	
Max System Voltage	600 V	
Max Peak Power P _{max}	175 W (0% / + 3%)	
CEC Listed PTC Power	156.4 W	
Maximum Power Point Voltage V _{mpp}	35.8 V	
Maximum Power Point Current I _{mpp}	4.89 A	
Open Circuit Voltage V _{oc}	44.2 V	
Short Circuit Current I _{sc}	5.25 A	
Temperature Coefficient of V _{oc}	-0.150 V / °C (-0.34% / °C)	
Temperature Coefficient of I _{sc}	4.72x10 ⁻³ A / °C (0.09% / °C)	
Temperature Coefficient of P _{max}	-0.647 W / °C (-0.37% / °C)	

*Standard Test Conditions

Physical Specifications mm (in.)



Other Performance Data

Power Tolerance	Operating Temperature	Max Series Fuse Rating	NOCT*
0% / + 3%	-40 °C to +85 °C	10 A	48 °C +/- 2 °C

*Normal Operating Cell Temperature

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For 24/7 service or support call

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