

Polycrystalline solar modules

CS200 PREMIUM CLASS Made in Canada

EVA Encapsulation:

Decades of experience show clear encapsulated insulation enhances solar cell performance and provides proven weathering protection.

Anti-Reflective Coating:

Increases the efficiency of our modules by reducing the quantity of light that is reflected away from the module.

Reliable Outside Bussing:

Our proven module design puts bus bars outside frame and cell areas, improving module reliability.

Anodized Aluminum Frames:

Our corrosion resistant frames are constructed to withstand wind speeds in excess of 200Km/h (125 mph) in typical ground mounted applications.

Tempered Low Iron Glass:

For our crystalline product, tempered low iron glass provides both better impact resistance and better light transmission, allowing the generation of more electricity.

Performance and Reliability

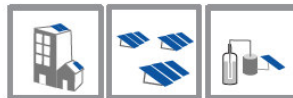
Centennial Solar products are designed and constructed to provide high performance and reliability. We constantly improve our products to ensure product performance and reliability.

Features

- High efficiency and reliability for diverse grid and off-grid applications
- Superior energy generating kWh/ kWp performance

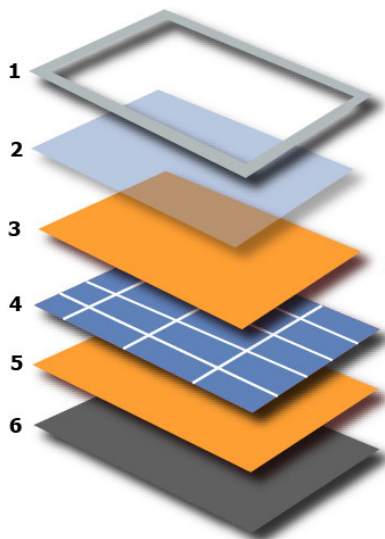
Applications

- Building Integration
- Solar Power Packs and Plants
- Solar Pumping Systems
- All Power Requirement



Laminate Options

Centennial Solar also supplies laminates, enabling easy integration of products into third party solar electric systems or directly into building structures.

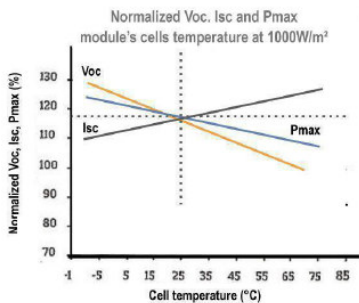
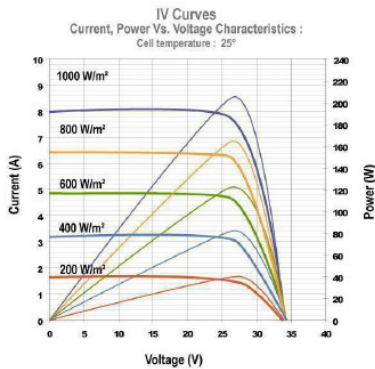
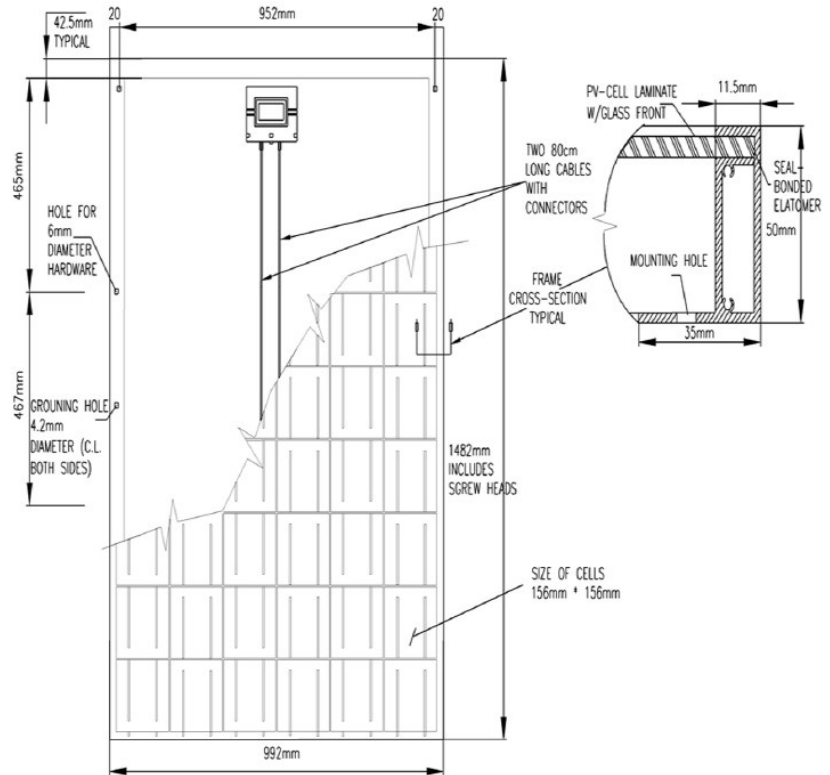


Constructive Characteristics

- 1 Frame**
Of anodized aluminum, pre-drilled for quick and easy assembly.
- 2 Glass**
Tempered, high transmission, low iron anti-reflective and thickness of 3.2mm.
- 3&5 EVA**
(Ethylene and vinyl acetate) Enclosing material.
- 4 Cells**
Polycrystalline cells with serial connection, textured to make best use of solar irradiance.
- 6 Tedlar**
Electrical insulation, protecting of rear part of module.

Guarantees :

- The materials making the photovoltaics modules and any possible defects due to the manufacturing process for 7 years.
- A power provided by the photovoltaic module of at least 90% of the minimum output power for 10 years.
- A power provided by the photovoltaic module of at least 80% of the minimum output power for 25 years.
- Measured under Standard test conditions (STC= 1000W/m², 25°C, AM 1.5)
- The electric characteristics of each photovoltaic module are individually monitored and the results are left at the disposal of the customer.



Specifications

Cell Type & Size	Polycrystalline 156mm x 156mm
No. of cells and connections	6 x 9 in series
Dimension of module (mm)	1482mm x 992mm x 50mm
Weight (kg)	18.6 kg

CHARACTERISTICS

Model	CS 200
Open circuit voltage (Voc)	32.94 V
Optimum operating voltage (Vmp)	27.0 V
Short circuit current (Isc)	7.9 A
Optimum operating current (Imp)	7.4 A
Rated power (Pmax)	200W +/- 3%
Module Efficiency	13.53%
Type of output Terminal	Junction Box IP65 with 3 bypass diodes
Cable lengths	0.9M long, 4mm ²
Connection	Type MC 4
Certificates	UL1703, IEC61215, IEC61730, CE

Limits

Operating temperature	-40 to +90°C
Maximum system voltage	1000V

Temperature and coefficients

Nominal Operation Cell Temperature	46°C
Current temperature coefficient	0.05%/°K
Voltage Temperature coefficient	-0.33%/°K
Power temperature coefficient	-0.43%/°K

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