

Polycrystalline Solar Modules



60 Cell Modules:

CG 200-60, CG205-60,
CG210-60, CG215-60,
CG220-60, CG225-60,
CG230 60

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 modules design puts bus bars outside the frame and cell areas. This improves the modules' reliability.

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.

Laminate Options:

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

Made in Canada.

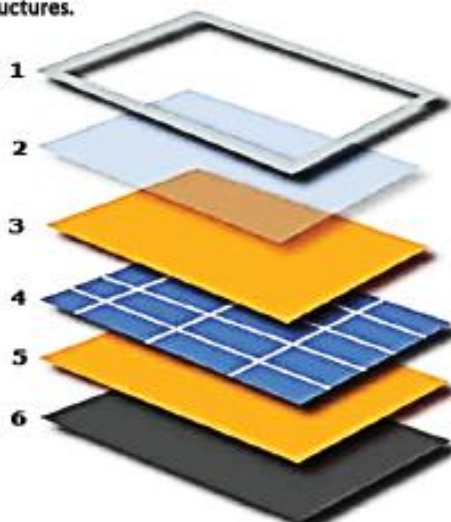


Performance & Reliability:

Centennial Global Technology Inc. products are designed and constructed to provide performance and reliability. We constantly improve our products to ensure product reliability remains at the highest standard.

Applications & Features:

- High Efficiency and reliability for diverse grid and off-grid applications.
- Superior energy generating kWh/ kWp performance.
- Building Integration.
- Solar Power Parks and Plants.
- Solar Pumping Systems.
- All Power Requirement.



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.

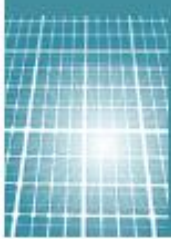
4 Cells

Polycrystalline cells with serial connection, textured to make best use of solar irradiance.

6 Tedlar

Electrical insulation, protecting of rear part of module.

Module Diagram



Temperature Coefficients

NOCT	45 +/-2
Voltage temperature coefficient (Voc)	-0.35%/
Current temperature coefficient (Isc)	+0.033%/
Power temperature coefficient (Pmp)	-0.48%/
Minimum power tolerance	+/-3%

NOCT: Nominal Operating cell Temperature: -10°C to +85°C

Mechanical Data

Solar Cell	60 Poly-crystalline 156 X 156mm
Front Glass	3.2mm tempered
Junction Box	Tyco with connectors
Output Cables	900mm length with Tyco connectors
Frame	Anodized aluminum
Weight	20kg
Dimension	1652mm X 1000mm X 50mm

Warranty and Certifications

Warranty	6 years workmanship, 12 years 90%, 25 years 80% power warranty
Certifications	UL 1703, IEC61215, IEC61730, CE

Electrical Data

Module Type	C-200-60	C-205-60	C-210-60	C-215-60	C-220-60	C-225-60	C-230-60
Nominal peak power (Wp)	200W	205W	210W	215W	220W	225W	230W
Nominal voltage (Vmp)	28.6V	28.9V	29.1V	29.3V	29.5V	29.7V	29.9V
Nominal current (Imp)	6.99A	7.09A	7.22A	7.34A	7.46A	7.58A	7.69A
Open circuit voltage (Voc)	36.0V	36.2V	36.4V	36.6V	36.8V	37.0V	37.2V
Short circuit current (Isc)	7.77A	7.91A	8.01A	8.16A	8.30A	8.46A	8.59A
Module efficiency	12.1%	12.4%	12.7%	13.0%	13.3%	13.6%	13.9%
Operating Temperature (°C)	-40 to +85	-40 to +85	-40 to +85	-40 to +85	-40 to +85	-40 to +85	-40 to +85
Maximum System Voltage	600V DC (UL), 1000V DC (IEC)						

STC: 1000W/m², 25°C, AM=1.5



Global Head Office

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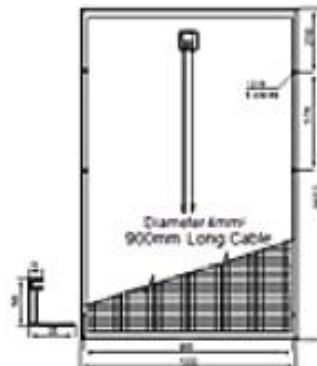
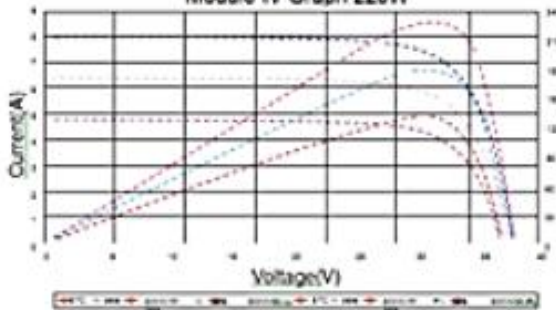
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Characteristics

Module IV Graph 220W



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