

36 Cell Modules:

CG130-36, CG135-36
CG140-36, CG150-36



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:

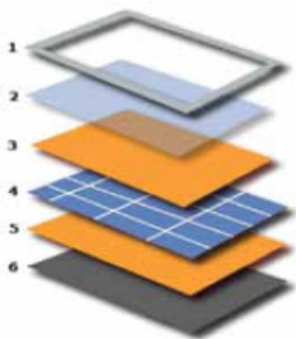
Centennial Global Technology Inc. also supplies laminates, enabling easy integration of products into third party solar electric systems or directly into building structures.

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.

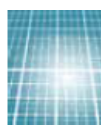
Applications & Features:

- 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.



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

Module Diagram



Temperature Coefficients		Mechanical Data	
NOCT	45 +/- 2	Solar Cell	36 Monocrystalline 156 mm x 156 mm
Voltage Temperature Coefficient (Voc)	- 0.36 %	Front Glass	3.2 Tempered
Current Temperature Coefficient (Isc)	+ 0.033 %	Junction Box	Certified Junction Box
Power Temperature Coefficient (Pmpp)	+ 0.48 %	Frame	900 mm length with connectors
Minimum Power Tolerance	-0 / +5 %	Weight	13 kg
NOCT: Nominal Operating Cell Temperature -40 °C to +95 °C		Dimensions	1483 mm x 665 mm x 35 mm

Electrical Data

Module Type	CG 140-36	CG 150-36	CG 130-36	CG 135-36
Nominal Peak Power (Wp)	140W	150W	130 W	135 W
Nominal Voltage (Vmp)	18.0 V	18.4 V	17.6 V	17.8 V
Nominal Current (Imp)	7.78 A	8.15 A	7.39 A	7.58 A
Open Circuit Voltage (Voc)	22.4 V	22.6 V	22.0 V	22.2 V
Short Circuit Current (Isc)	8.60 A	8.87 A	8.21 A	8.45 A
Module Efficiency (%)	14.2	15.2	13.1	13.6
Operating Temperature degC	-40 to + 85			
Maximum System Voltage	600 V DC (UL) 1000 V DC (IEC)			
STC: 1000 W/m ² , 25 °C, AM = 1.5				

Warranty & Certifications

Warranty	10 Year Workmanship, 12 Year 90 %, 25 Year 80 % Power Warranty.
Certifications	UL 1703, IEC 61215 , IEC 61730, CE

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