

72 Cell Modules
 CG 280M-72
 CG 290M-72
 CG 300M-72



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.

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

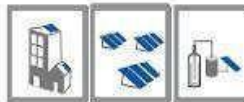
Centennial Global Technology Inc. products are designed and constructed to provide high performance and reliability. We constantly improve our products to ensure products and reliability

Features

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

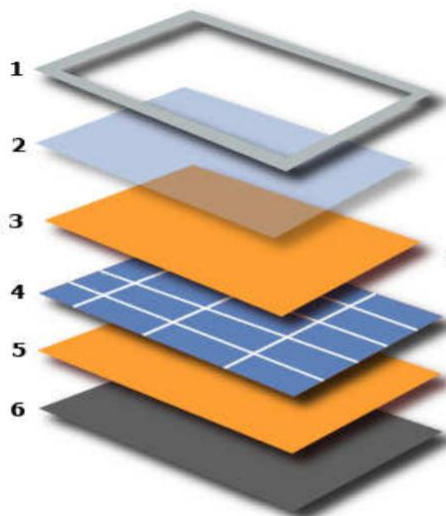
Applications

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



Laminate Options

Centennial Global Technology Inc. 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.

Temperature Coefficients

NOCT	45 +/-2°C
Voltage temperature coefficient(Voc)	-0.36%/°C
Current temperature coefficient(Isc)	+0.033%/°C
Power temperature coefficient(Pmpp)	-0.44%/°C
Minimum power tolerance	+/-3%

NOCT:Nominal Operating cell Temperature:-40°C to + 85°C

Mechanical Data

Solar Cell	72 Mono-crystalline	156 × 156mm
Front Glass	4.0mm tempered	
Junction Box	IP65 rated	
Output Cables	900mm length cable/compliable with MC IV connectors	
Frame	Anodized aluminium	
Weight	24kg	
Dimension	1968×1000×50mm	

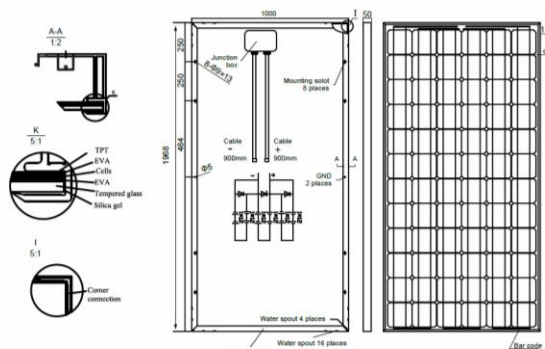
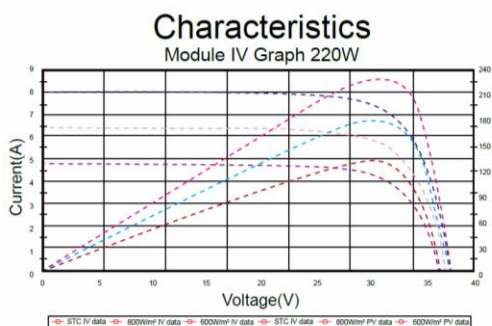
Warranty and Certifications

Warranty	6 years workmanship, 10 years 90%, 25 years 80% power warranty
Certifications	IEC61215, IEC61730, CE, UL 1703

Electrical Data

Module Type	CG 300M-72	CG 290M-72	CG 280M-72
Nominal peak power(Wp)	300W	290W	280W
Nominal voltage(Vmp)	36.2V	36.0V	35.8V
Nominal current(Imp)	8.28A	8.05A	7.82A
Open circuit voltage(Voc)	45.0V	44.8V	44.5V
Short circuit current(Isc)	9.13A	9.0A	8.86A
Module efficiency	15.2%	14.7%	14.2%
Operating Temperatre	-40 to +85°C	-40 to +85°C	-40 to +85°C
Maximum System Voltage	600V DC (UL) 1000V (IEC)		

STC:1000W/m²,25°C,AM=1.5



CONTACT

Centennial Global Technology Inc.
info@centennialgt.com

Unit #3, 18 St. Remy Place
Kingston, Ontario, Canada K7K 6C4
Tel: (613)536-0333
Fax: (613)536-0378

