GMAsolar ...





POWERFUL PERFORMANCE FOR A CLEANER PLANET

MANUFACTURED IN MONTREAL, CANADA

25 YEAR LINEAR POWER WARRANTY

12 YEAR WORKMANSHIP WARRANTY

OUTSTANDING LOW LIGHT PERFORMANCE

MC4 CONNECTORS

POSITIVE TOLERANCE 0/+3%

GMASOLAR introduces the new generation of solar modules. Providing more power by utilizing high efficiency solar cells. Ideal for off grid systems thanks to their robust design proving reliability and high quality performance in isolated areas.

GMASOLAR Reliability. All our solar modules are manufactured according to UL and IEC standards. Each solar module is passed through several strict quality control tests before and after the lamination process. One of the many tests which include the Solar Cell and Module EL (Electroluminescence) Tester. The EL tester provides valuable information and overall the quality of the production process. With EL imaging, it detects every hidden defect and thus ensures an effective, accurate and high performance solar module.

GMASOLAR Flexibility. Our solar modules are designed to offer worry free use in the harshest weather climates. Our frame allows installation in multiple configurations, making an easy, safe and faster installation. The water drain holes prevent frame breakage due to freezing temperatures.









ELECTRICAL PARAMETERS @ STC		
Module Type		GMA 50W-P
Peak Power	Pmax (W)	50
Maximun Power Voltage	Vmp (V)	17.5
Maximun Power Current	Imp (A)	2.86
Open-circuit voltage	Voc (V)	22.0
Short-circuit current	Isc (A)	3.17

Values at standard test conditions STC (Air mass AM1.5, Irradiance 1000W/sqm, Cell temperature 25°C) Power Measurement Tolerance: 0/+3%

MECHANICAL DATA

Solar Cell (type / dimension)	Poly-crystalline solar cells / 156 x 156 mm
Module Dimension (L x W x H)	620 x 665 x 35 mm
Weight	4.8 kg
Frame (material / colour)	Anodized aluminum / Silver
Front Glass (material / thickness)	High transmission low-iron tempered glass / 3.2mm
Backsheet (material)	Fluoropolymer coating / PET / polyolefin
Mechanical Load	50 psf, 245kg/sqm, 2400 Pa, 0.34 psi, front and back
Junction Box (protection degree)	≥IP 65

45 +/- 2 °C
-0.31% / °C
0.033% / °C
-0.42% / °C

MAXIMUM RATINGS		
Operatonal Temperature	-40°C to +85°C	
Maximun System Voltage	1000V (IEC/UL)	
Max Series Fuse Rating	10A	

WARRANTY & CERTIFICATIONS

Fire Rating

Class C

Warranty

2 years workmanship, 10 years 90%, 20 years 80%

Power Warranty



Note: The specifications are subject to change without notice.