

GMA 36c-M Series 80-100W



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 manufacture according to UL and IEC standards. Each module goes to a strict quality verification on through an EL testing process The EL tester works like a X-ray scanner that immediately exposes every possible hidden defect in the solar panel. This way you get a crystal clear picture of the good operation of the solar panel.

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



GMA 36c-M Series
GMA80, GMA85, GMA90, GMA100



| ELECTRICAL DATA | | | | |
|--|-----------------------------|-----------|----------|----------|
| Mechanical Data | GMA 80M | GMA 85M | GMA 90M | GMA 100M |
| Nominal Peak Power (Wp) | 80 W | 85 W | 90 W | 100 W |
| Nominal Voltage (Vmp) | 17.2V DC | 17.4V DC | 17.2V DC | 17.2V DC |
| Nominal Current (Imp) | 4.65 A | 4.89 A | 5.23 A | 5.81 A |
| Open Circuit Voltage (Voc) | 21.6V DC | 21.60V DC | 21.6V DC | 21.6V DC |
| Short Circuit Current (Isc) | 5.14 A | 5.42 A | 5.87 A | 6.61 A |
| Operating Temperature degC | -40 to + 85 | | | |
| Maximum System Voltage | 600 VDC (UL) 1000 VDC (IEC) | | | |
| STC: 1000 W/m ² , 25°C, AM= 1.5 | | | | |

| TEMPERATURE COEFFICIENTS | | MECHANICAL DATA | |
|---|----------|-----------------|-----------------------------------|
| NOCT | 45+/-2°C | Solar Cell | 36 Monocrystalline 156mm 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) | +0.44% | Output Cables | 1000 mm length with connectors |
| Minimum Power Tolerance | -0%~/+3% | Frame | Anodized Aluminum |
| NOCT: Nominal Operating Cell Temperature -40°C to + 95° | | Weight | 8kg |
| | | Dimensions | 890mm x 665mm x35 mm |

WARRANTY & CERTIFICATIONS

| | |
|---------------|--|
| Warranty | 12 Year Workmanship, 12 Year 90%, 25 Year 80% Power Warranty |
| Certification | UL 1730, IEC 61215, IEC 61730, CE, cETLus |

Note: The specifications are subject to change without notice

