

GMA 36-P Series 80-100W



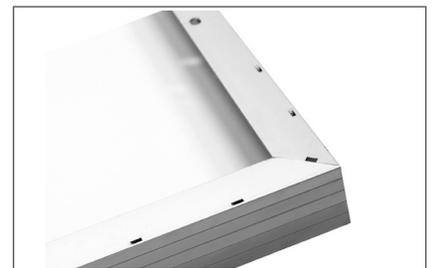
## POWERFUL PERFORMANCE FOR A CLEANER PLANET

- ◆ 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 36-C-P Series**  
**GMA80P, GMA85P, GMA90P, GMA100P**



**CHARACTERISTIC DATA**

Solar cells per module	36 (cut cells)
Type of solar cell	Poly-crystalline solar cells, 156mm x 117mm
Connections	Junction box

**ELECTRICAL PARAMETERS**

Mechanical Data		GMA 80-36	GMA 85-36	GMA 90-36	GMA 100-36
Power (max.)	Pp (Watts)	80W	85W	90W	100W
Voltage at maximum power point	Vp (Volts)	17.2V	18.06V	17.2V	17.2V
Current at maximum power point	Ip (Amps)	4.65A	4.70A	5.23A	5.81A
Open-circuit voltage	Voc (Volts)	21.6V	21.98V	21.6V	21.6V
Short-circuit current	Isc (Amps)	5.14A	5.07A	5.87A	6.61A

**DIMENSIONS AND WEIGHTS**

Length	mm (in)	890mm (35")
Width	mm (in)	665mm (26.3")
Weight	kg (lbs)	8.0 kg (18 lbs)
Area	m <sup>2</sup> (ft <sup>2</sup> )	0.59 m <sup>2</sup> (6.60ft <sup>2</sup> )

**CELL TEMPERATURE COEFFICIENTS**

Power	Tk(Pp)	-0.55% /°K
Open-circuit voltage	Tk(Voc)	-0.33% /°K
Short circuit current	Tk(Isc)	+0.05% /°K

**LIMITS**

Maximum system voltage	1000V
Normal Operating cell temp(Tnoct)	45+/-2°C
Tested wind resistance	Wind speed 192km/h

**WARRANTY & CERTIFICATIONS**

Warranty 12 Year Workmanship, 12 Year 90%, 25 Year 80% Power Warranty

Certifications IEC 61215, IEC 61730, CE

Note: The specifications are subject to change without notice

