

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

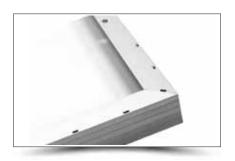
POSITIVE TOLERANCE +0/3%

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 performace 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-M Series GMA120, GMA130, GMA135, GMA140 GMA145, GMA150



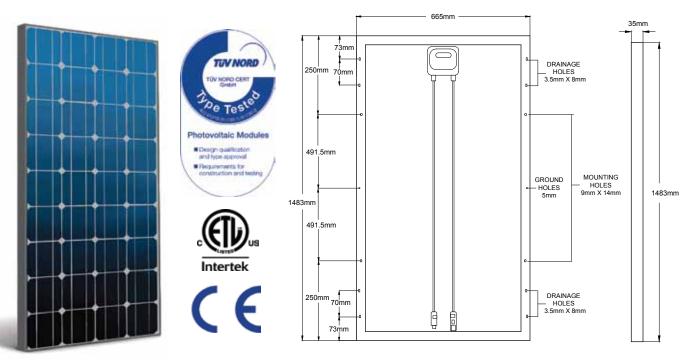
ELECTRICAL DATA						
Mechanical Data	GMA 120-36	GMA 130-36	GMA 135-36	GMA 140-36	GMA 145-36	GMA 150-36
Nominal Peak Power (Wp	120 W	130 W	135 W	140 W	145W	150W
Nominal Voltage (Vmp)	17.2V	17.2V	17.2V	17.2V	17.2V	17.2V
Nominal Current (Imp)	6.98A	7.56A	7.84A	8.14A	8.43A	8.72A
Open Circuit Voltage (Voc)	21.6V	21.6V	21.6V	21.6V	21.6V	21.6V
Short Circuit Current (Isc)	7.50 A	8.02 A	8.22A	8.38 A	8.51A	8.60A
Operating Temperature degC	-40 to +85					
Maximum System Voltage	600 VDC (UL) 1000 VDC (IEC)					

STC: 1000 W/m2, 25°C, AM= 1.5

TEMPERATURE COEFFICIENTS		MECHANICAL DATA		
NOCT	45./200	Calar Call	36 Monocrystalline 156mm x 156 mm	
NOCT	45+/-2°C	Solar Cell	30 Monoci ystanine 130mm x 130 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	-3%~/+3%	Frame	Anodized Aluminum	
NOCT: Nominal Operating Cell Temperature -40°C to + 95°		Weight	12kg	
		Dimensions	1483mm x 665mm x35 mm	

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



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