GMA P6 - 36 - 150W 12V

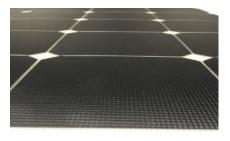
GMAsolar -



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.







GMA-P6-36-150W-12V

GMAsolar

ELECTRICAL PARAMETERS @ STC

Module Type		GMA 100-32
Peak Power	Pmax (W)	100
Maximun Power Voltage	Vmp (V)	17.8
Maximun Power Current	Imp (A)	5.62
Open-circuit voltage	Voc (V)	21.6
Short-circuit current	Isc (A)	5.97
Module Efficiency	η(%)	17.60

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)	High efficiency cells -Mono silicon / 125 x 125 mm	
Cell (quantity / orientation)	32 cells / 4 x 8	
Module Dimension (L x W x H)	1050 X 540 X 3 mm (41.34 x 21.26 x 0.12 inches)	
Weight	1.35 kg	
No. of Holes in Frame	4 installation holes	
Front Material	ETFE (Ethylene Tetrafluoroethylene)*	
Junction Box (protection degree)	IP 65 Rated	
Output Cables (Length)	900 mm length for positive (+) and negative (-)	
Connector (type / protection degree)	MC4 / IP68 rated	
*With a lifesnan of over 20 years and excellent weathering properties		

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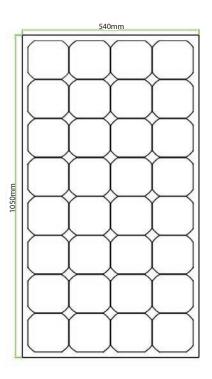
TEMPERATURE COEFFICIENTS

MANIMUM PATINCS		
Power Temperature Coefficient (Pmax)	-0.38% / °C	
Current Temperature Coefficient (Isc)	0.033%/°C	
Voltage Temperature Coefficient (VOC)	-0.28% / °C	
Nominal Operating Cell Temp. (NOCT)	45 +/- 2 °C	
		1

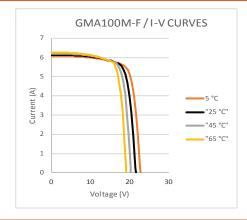
Operational Temperature	-40°C to +85°C	
Maximun System Voltage	600V DC	
Max Series Fuse Rating	10A	
WARRANTY & CERTIFICATIONS		
Carlification	CF.	

Warranty 2 years workmanship, 10 years 90% Power Warranty	Certification	LE
	Warranty	2 years workmanship, 10 years 90% Power Warranty

MECHANICAL DRAW (Front View)



I-V CURVE OF PV MODULE GMA Flex 32-M (High Efficiency) / 100W



APPLICATIONS

Application

Any off-grid solar power station

Note: The specifications are subject to change without notice.

www.gmasolar.ca