

GMAM6-72-400W 400W Mono-Crystalline Solar Module

ELECTRICAL PARAMETERS @ STC

Module Type		GMAM6-72
Peak Power	P _{max} (W)	400
Maximun Power Voltage	V _{mp} (V)	39.6
Maximun Power Current	I _{mp} (A)	10.11
Open-circuit voltage	V _{oc} (V)	47.52
Short-circuit current	I _{sc} (A)	10.72
Module Efficiency	η(%)	20

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)	Mono-crystalline silicon / 158.75 x 158.75 mm
Cell (quantity / orientation)	72 cells / 6 x 12
Module Dimension (L x W x H)	1956 X 992 X 40 mm (77.00 x 39.05 x 1.57 inches)
Weight	22.5 kg
Frame (material / color)	Anodized aluminum / silver
Front Glass (material / thickness)	High transmission low-iron tempered glass / 3.2mm
Backsheet (material)	TPT
Mechanical Load	Wind/Snow 2400/5400 Pa, Hail 23m/s, 7.53 g
Junction Box (protection degree)	≥IP 65
Bypass Diode Rating (A)	10
Output Cables	MC4 Compatible
Connector (type / protection degree)	MC4 / IP68 rated

TEMPERATURE COEFFICIENTS

Nominal Operating Cell Temp. (NOCT)	45 +/- 2 °C
Voltage Temperature Coefficient (VOC)	-0.35% / °C
Current Temperature Coefficient (Isc)	0.04% / °C
Power Temperature Coefficient (Pmax)	-0.45% / °C

MAXIMUM RATINGS

Operational Temperature	-40°C to +85°C
Maximun System Voltage	1000V DC

WARRANTY

Warranty	25 years Power Output Warranty 10 years 90%, 25 years 85% 10 years Product Warranty on Material
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MECHANICAL DRAW

