

GMAM6-72-360W 360W Mono-Crystalline Solar Module

ELECTRICAL PARAMETERS @ STC

Module Type		GMAM6-72
Peak Power	P _{max} (W)	360
Maximum Power Voltage	V _{mp} (V)	36.5
Maximum Power Current	I _{mp} (A)	9.31
Open-circuit voltage	V _{oc} (V)	45.6
Short-circuit current	I _{sc} (A)	9.87
Module Efficiency	η(%)	18.55

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 solar Cell / 156 x 156 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	27 kg
Frame (material / color)	Anodized aluminum / silver
Front Glass (material / thickness)	High transmission low-iron tempered glass / 3.2mm
Backsheet (material)	Fluoropolymer coating / PET / polyolefin
Mechanical Load	Wind/Snow 2400/5400 Pa, Hail 23m/s, 7.53 g
Junction Box (protection degree)	≥IP 65
Junction Box (diode)	Three (3) bypass diodes
Output Cables (Length/cross-sectional area)	1000 mm length, 10 AWG PV cable, UV protected
Connector (type / protection degree)	MC4 / IP68 rated

TEMPERATURE COEFFICIENTS

Nominal Operating Cell Temp. (NOCT)	45 +/- 2 °C
Voltage Temperature Coefficient (VOC)	-0.31% / °C
Current Temperature Coefficient (Isc)	0.033% / °C
Power Temperature Coefficient (Pmax)	-0.42% / °C

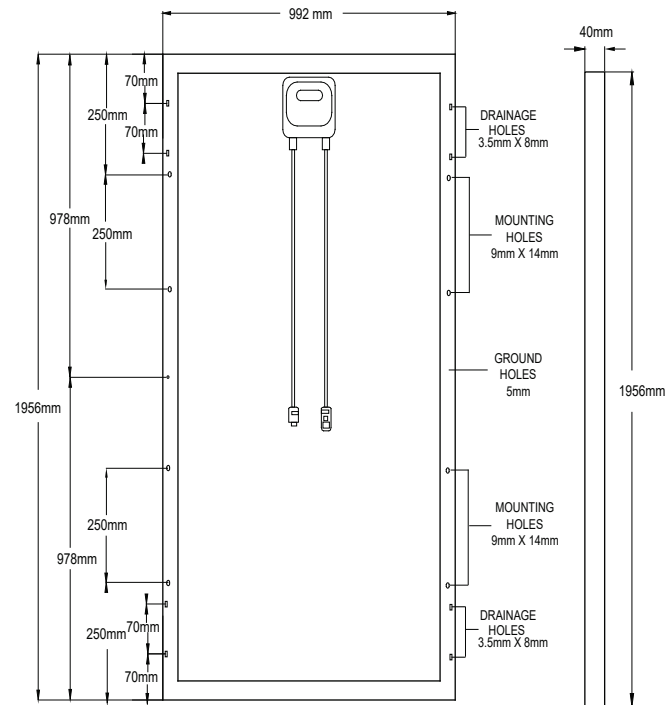
MAXIMUM RATINGS

Operational Temperature	-40°C to +85°C
Maximum System Voltage	600V DC
Max Series Fuse Rating	15A

WARRANTY & CERTIFICATIONS

Certification	Tested to UL 1703
Fire Rating	Type 2
Warranty	25 years Power Output Warranty 10 years 90%, 25 years 85% 10 years Product Warranty on Material

MECHANICAL DRAW



I-V CURVE

