

ELECTRICAL PARAMETERS @ STC

Module Type		GMAM6-36
Peak Power	P _{max} (W)	170
Maximun Power Voltage	V _{mp} (V)	18.0
Maximun Power Current	I _{mp} (A)	9.44
Open-circuit voltage	V _{oc} (V)	21.4
Short-circuit current	I _{sc} (A)	10.39
Module Efficiency	η(%)	17.14

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 solar cells / 156.75 x 156.75 mm
Cell (quantity / orientation)	36 cells / 4 x 9
Module Dimension (L x W x H)	1480 X 670 X 35 mm
Weight	13 kg
Frame (material)	Anodized aluminum
Front Glass (material / thickness)	High transmission low-iron tempered glass / 3.2mm
Backsheet (material)	Fluoropolymer coating / PET / polyolefin
Mechanical Load	50 psf, 245Kg/sqm, 2400 Pa, 0.34 psi, front and back
Junction Box (protection degree)	≥IP 65
Junction Box (diode)	Two (2) 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)	-0.35% / °C
Current Temperature Coefficient (Isc)	0.06% / °C
Power Temperature Coefficient (Pmax)	-0.4% / °C

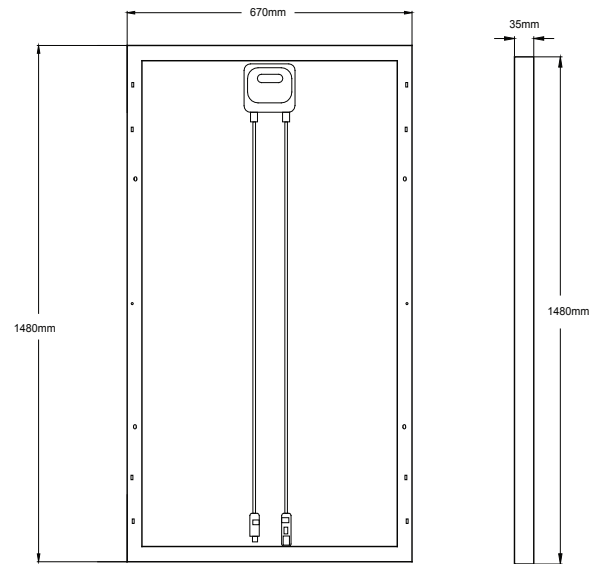
MAXIMUM RATINGS

Operational Temperature	-40°C to +85°C
Maximun System Voltage	600VDC
Max Series Fuse Rating	15A

WARRANTY & CERTIFICATIONS

Certification	Tested to UL 1703
Fire Rating	Type 2
Warranty	12 years workmanship, 12 years 90%, 25 years 80% Power Warranty

MECHANICAL DRAW



I-V CURVE

