

ELECTRICAL PARAMETERS @ STC

| Module Type | | GMAP6-36 |
|-----------------------|----------------------|----------|
| Peak Power | P _{max} (W) | 100 |
| Maximun Power Voltage | V _{mp} (V) | 18.0 |
| Maximun Power Current | I _{mp} (A) | 5.56 |
| Open-circuit voltage | V _{oc} (V) | 21.9 |
| Short-circuit current | I _{sc} (A) | 6.13 |
| Module Efficiency | η(%) | 14.63 |

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) | Poly-crystalline solar cells / 156 x 104 mm |
| Cell (quantity / orientation) | 36 cells / 4 x 9 |
| Module Dimension (L x W x H) | 1020 X 670 X 35 mm |
| Weight | 8.9 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 | Wind/Snow 2400/5400 Pa, Hail 23m/s, 7.53g |
| Junction Box (protection degree) | ≥IP 65 |
| Junction Box (diode) | Two (2) bypass diodes |
| Output Cables (Length/cross-sectional area) | 900 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 |

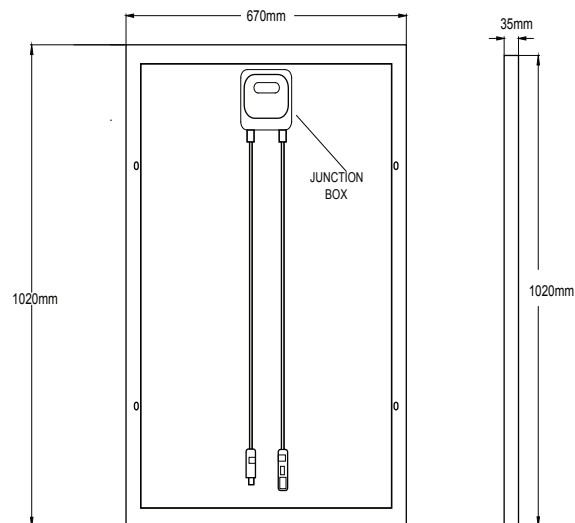
MAXIMUM RATINGS

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

WARRANTY & CERTIFICATIONS

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

MECHANICAL DRAW (Back View)



I-V CURVE

