



MONO MODULE GS-M72-5BB 355-370W

About Grosun Solar: Grosun New Energy Technology Co.,Ltd—Chinese leading producer of Solar PV products and Solar power system. We manufacture high efficiency, superior affordable Photovoltaic panels. Our downstream business includes solar photovoltaic project development, design, EPC construction, operation & maintenance and one-stop system integration solutions for customers.



PRODUCT CHARACTERISTICS



Higher Conversion Efficiency

With new generation of PERC technology, the average conversion efficiency of the cells could reach 21.9%



Outstanding mechanical load resistance

3800 Pa wind load, 5400 Pa snow load



High performance under low light

Works at cloudy, rainy days



Anti-PID (potential induced degradation)

Passed anti-PID test under 85% damp heat, 85% relative humidity for 96 hours



Great Durability against extreme conditions

Passed salt mist corrosion test, ammonia corrosion test, dust & sand test, fire test, all certified by TÜV



Double electroluminescence (EL) tests

Carefully inspected before and after lamination to guarantee fault-free modules

MONO MODULE GS-M72-5BB 355-370W

ELECTRICAL PERFORMANCE

Electrical Parameters Standard Test Conditions

| Module Type | | | GS-M72-5BB 355-370W | | | |
|-----------------------------|-------------------|---|---------------------|------|------|------|
| Power Output | P _{max} | W | 355W | 360W | 365W | 370W |
| Power Tolerance | ΔP _{max} | W | 0/+5% | | | |
| Module Efficiency | η _m | % | 18.2 | 18.5 | 18.8 | 19 |
| Voltage at P _{max} | V _m | V | 38.9 | 39.2 | 39.5 | 39.8 |
| Current at P _{max} | I _m | A | 9.12 | 9.18 | 9.24 | 9.3 |
| Open-Circuit Voltage | V _{oc} | V | 47.3 | 47.7 | 48 | 48.2 |
| Short-Circuit Current | I _{sc} | A | 9.51 | 9.66 | 9.81 | 9.96 |

STC:1000w/m² irradiance, 25C module temperature, AM1.5

THERMAL CHARACTERISTICS

| | | | |
|---|------------------|------|--------|
| Nominal Operating Cell Temperature | NOCT | °C | 45±2 |
| Temperature Coefficient of P _{max} | γ | %/°C | -0.390 |
| Temperature Coefficient of V _{oc} | β _{voc} | %/°C | -0.330 |
| Temperature Coefficient of I _{sc} | α _{isc} | %/°C | +0.049 |

OPERATING CONDITIONS

| | |
|-----------------------------|------------|
| Max. System Voltage | 1500V |
| Max. Series Fuse Rating | 15A |
| Operating Temperature Range | -40°C~85°C |
| Max static snow load | 5400Pa |
| Max static wind load | 3800Pa |
| Application Class | A |

CONSTRUCTION MATERIALS

| | |
|--|---|
| Front Cover(material/type/thickness) | low-iron tempered glass/3.2mm |
| Cell(quantity/material/type/dimension) | 72/monocrystalline/156.75x156.75mm |
| Encapsulant(material) | ethylene vinyl acetate(EVA) |
| Frame(material/anodization color) | anodized aluminum alloy/silver or black |
| Junction Box(protection degree) | IP68 |
| Cable(length/cross-sectional area) | 1100mm/4mm ² |
| Plug Connector | MC4 compatible |

GENERAL CHARACTERISTICS

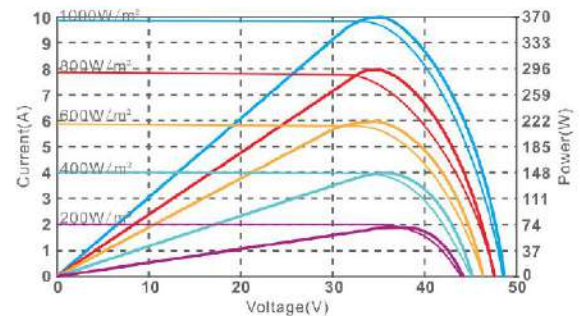
| | |
|------------------|---------------|
| Dimension(L/W/H) | 1956/992/40mm |
| Weight | 21.5kg |

PACKING CONFIGURATION

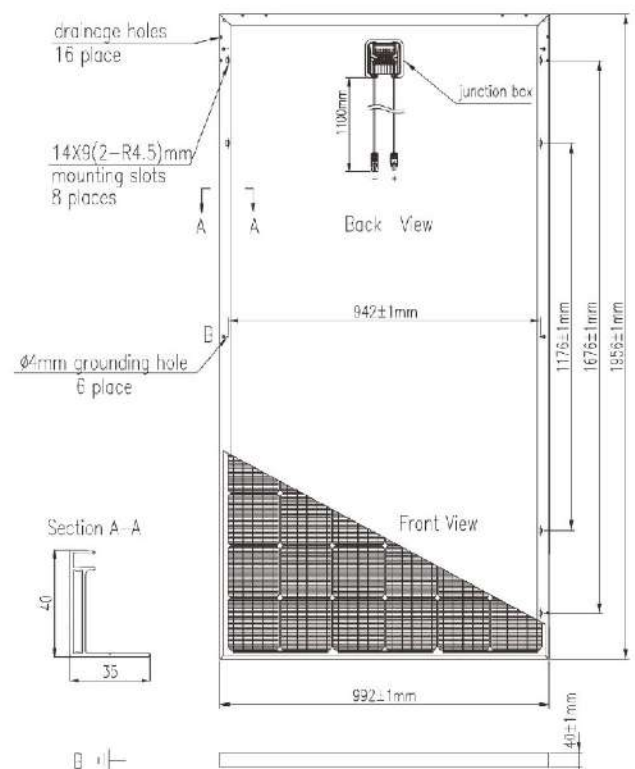
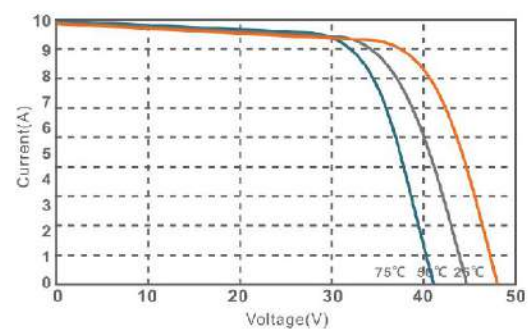
| | |
|----------------------|------------------|
| Pallet Size(L/W/H) | 1990/1120/2450mm |
| Pallet Weight | 1307kg |
| Pieces per Pallet | 52pcs+4pcs |
| Pieces per Container | 672pcs |

I-V CURVE

I-V characteristics at different irradiances

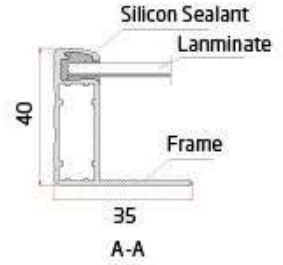
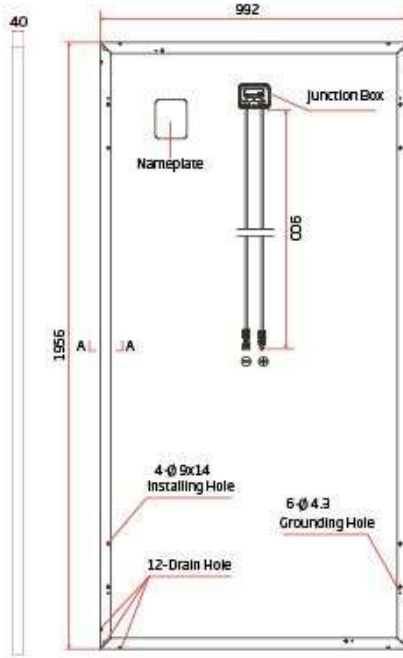
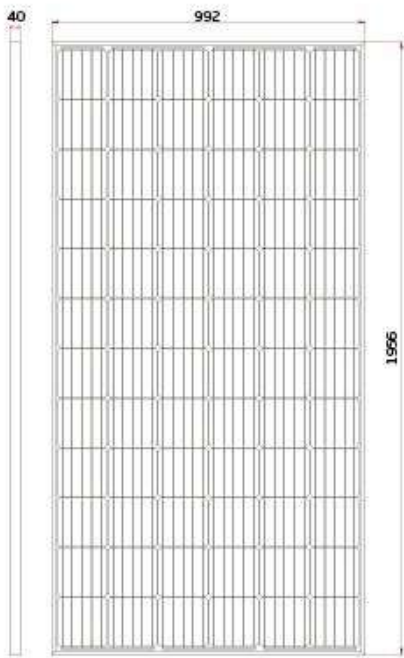


I-V characteristics at different temperature

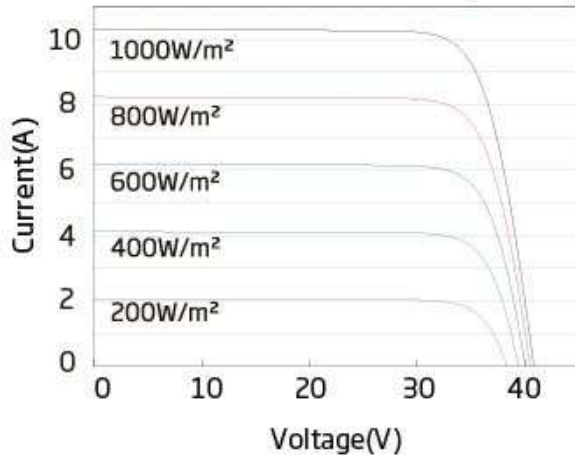


Please read the instruction entirely before handling, installing and operating Ulica Solar modules.

Due to continuous research and development, the specification is subject to change without prior notice.



I-V CURVES OF PV MODULE(400W)



P-V CURVES OF PV MODULE(400W)

