

# GISUN power

*Supplied by*

 **JOG**  
International Ltd.



## 400-415W Solar Panel

## Electrical Characteristics

| Module Type                         | M10-54-400 | M10-54-405 | M10-54-410 | M10-54-415 |
|-------------------------------------|------------|------------|------------|------------|
|                                     | STC        | STC        | STC        | STC        |
| Maximum Power at STC (Pmp)          | 400        | 405        | 410        | 415        |
| Open Circuit Voltage (Voc)          | 37.1       | 37.2       | 37.3       | 37.4       |
| Short Circuit Current (Isc)         | 13.60      | 13.70      | 13.80      | 13.90      |
| Maximum Power Voltage (Vmp)         | 30.8       | 30.9       | 31.0       | 31.1       |
| Maximum Power Current (Imp)         | 12.99      | 13.10      | 13.21      | 13.32      |
| Module Efficiency at STC( $\eta$ m) | 20.7       | 20.8       | 21.0       | 21.2       |
| Power Tolerance                     | (0,+3%)    |            |            |            |
| Maximum System Voltage              | 1000 VDC   |            |            |            |
| Maximum Series Fuse Rating          | 25A        |            |            |            |

STC: Irradiance 1000 W/m<sup>2</sup> module temperature 25°C AM=1.5;

## Temperature Characteristics

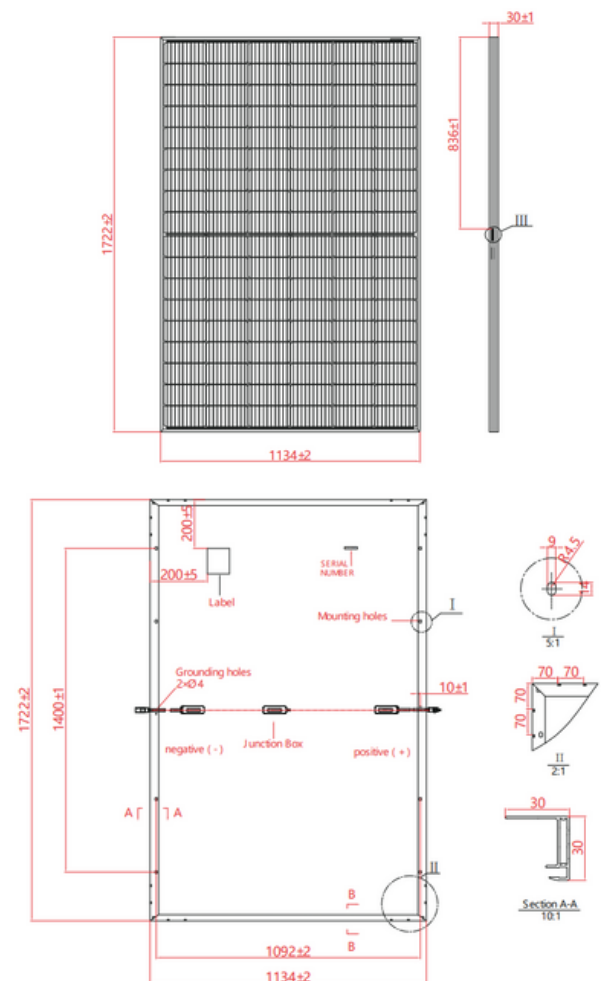
|   |            |
|---|------------|
| Pmax Temperature Coefficient              | -0.34 %/°C |
| Voc Temperature Coefficient               | -0.26 %/°C |
| Isc Temperature Coefficient               | +0.05 %/°C |
| Operating Temperature                     | -40~+85 °C |
| Nominal Operating Cell Temperature (NOCT) | 45±2°C     |
| Fire Rating                               | Class C    |

## Mechanical Specifications

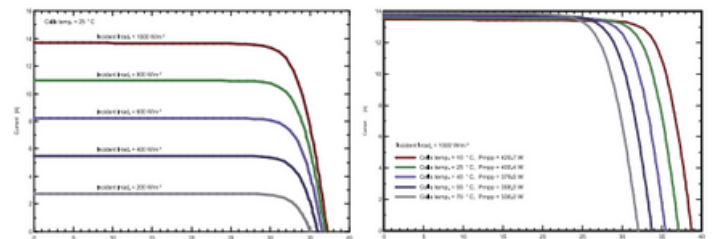
|                    |  |
|--------------------|--|
| External Dimension | 1722 x 1134 x 30 mm                                      |
| Weight             | 19.0kg   |
| Solar Cells        | PERC Mono (108pcs)                                       |
| Front Glass        | 3.2 mm AR coating tempered glass, low iron               |
| Frame              | Anodized aluminium alloy                                 |
| Junction Box       | IP68,3 diodes  |
| Output Cables      | 4.0 mm <sup>2</sup> ,Portrait:900mm or Customized Length |
| Connector          | Genuine MC4 Connector /Compatible MC4 Connector          |
| Mechanical Load    | Front side 5400 Pa/ Rear side 2400 Pa                    |

## Packing Configuration

|                       | 1722 x 1134 x 30 mm |
|-----------------------|---------------------|
| Container             | 40'HQ               |
| Pieces per Pallet     | 36+36               |
| Pallets per Container | 13                  |
| Pieces per Container  | 936                 |



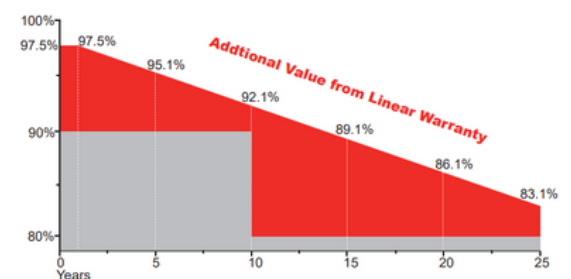
## I-V Curve



## Product Certificates



## Warranty



Guarantee on product material and workmanship



Linear power output warranty