







385w~405w

G12 solar modules Gaia series
Mono MBB perc large size half cut module

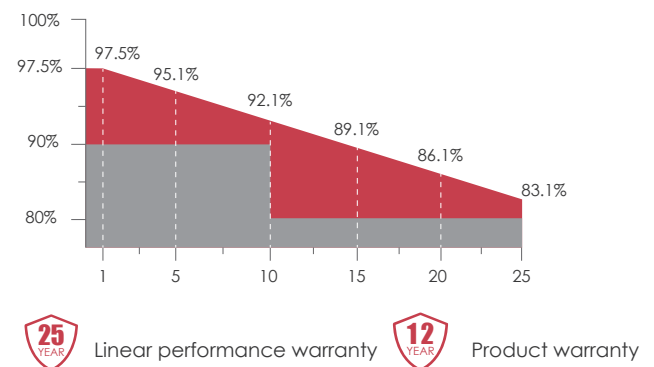
The Gaia Module strengthens the module density, greatly improves the power and efficiency. At the same time, it has the advantages of flexible installation, cost saving, good system adaptation. High reliability, easy transportation, environmental protection and so on.

MODULE CHARACTER

-  PID Resistance
-  Salt mist resistance/Ammonia resistance /dust and hail resistance
-  Production process reliability test
-  0~+5W Positive Tolerance
-  Mono MBB half cut
-  Reduce BOS cost increase ROI
-  Non-destructive cutting

CERTIFICATION

IEC61215/IEC61730
ISO9001:Quality Management System
ISO14001:Environmental Management System
ISO45001:Occupational Health and Safety Management System



| Module Type | SR-40MAX385H | | SR-40MAX390H | | SR-40MAX395H | | SR-40MAX400H | | SR-40MAX405H | |
|---|---|--------|--------------|--------|--------------|--------|--------------|--------|--------------|-------|
| Module Efficiency (%) | 19.96 | | 20.22 | | 20.48 | | 20.74 | | 21.00 | |
| Tolerance (W) | 0 ~ +5 | | 0 ~ +5 | | 0 ~ +5 | | 0 ~ +5 | | 0 ~ +5 | |
| Test Environment | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power Pmax(W) | 385 | 291.45 | 390 | 295.24 | 395 | 299.02 | 400 | 302.81 | 405 | 306.6 |
| Open Circuit Voltage Voc(V) | 28.67 | 27.02 | 28.92 | 27.26 | 29.18 | 27.50 | 29.43 | 27.74 | 29.68 | 27.98 |
| Short Circuit Current Isc(A) | 17.19 | 13.85 | 17.26 | 13.91 | 17.33 | 13.96 | 17.40 | 14.02 | 17.47 | 14.07 |
| Maximum Power Voltage Vm(V) | 23.79 | 22.14 | 24.00 | 22.34 | 24.21 | 22.53 | 24.42 | 22.73 | 24.63 | 22.92 |
| Maximum Power Current Im(A) | 16.19 | 13.16 | 16.26 | 13.22 | 16.32 | 13.27 | 16.39 | 13.33 | 16.45 | 13.37 |
| Cell Type (mm) | MBB-210×105mm(Mono-Crystalline Silicon) | | | | | | | | | |
| Number of Cells (Pcs) | 80(10×8) | | | | | | | | | |
| Maximum System Voltage (V) | DC1500 | | | | | | | | | |
| Temp.Coeff.of Voc (%/°C) | -0.262 | | | | | | | | | |
| Temp.Coeff.of Isc (%/°C) | 0.042 | | | | | | | | | |
| Temp.Coeff.of Pm (%/°C) | -0.362 | | | | | | | | | |
| Operating Temperature (°C) | -40 to 85 | | | | | | | | | |
| Nominal Operating Cell Temperature(NOCT) (°C) | 43±2 | | | | | | | | | |
| Max.Series Fuse (A) | 30 | | | | | | | | | |
| Pressure Bearing (Pa) | 5400 | | | | | | | | | |
| Wind Bearing (Pa) | 2400 | | | | | | | | | |

STC: Irradiance 1000W/m², Cell temperature 25°C, AM1.5
 NOCT: Irradiance 800W/m², Ambient temperature 20°C, Wind speed 1m/s

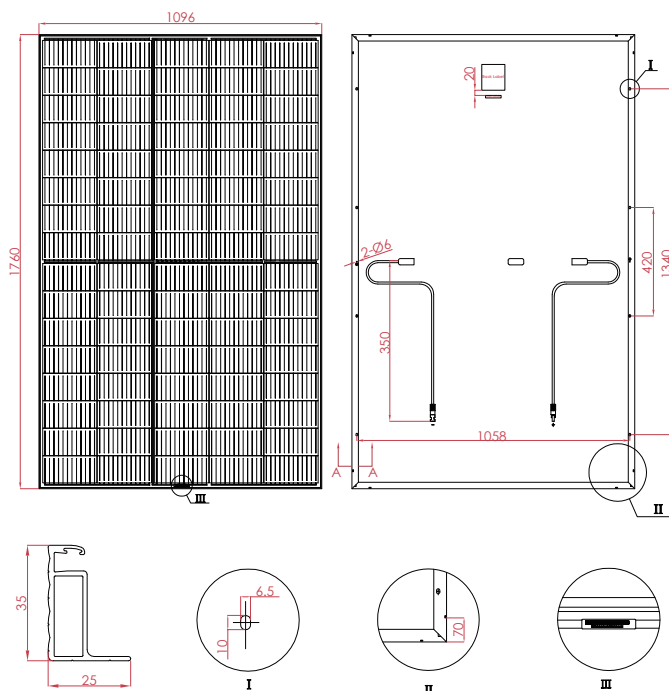
MATERIAL DETAILS

| | | | |
|----------------|--|-----------------|--|
| Frame | Anodized aluminum(black and white is optional) | Glass | 3.2mm low-iron tempered suede glass |
| Cell | 10×8pcs 210×105mm mono solar cell | Junction Box | IP≥68,TÜV & UL |
| Diode quantity | 3 | Cable&Connector | 4mm ² , EVO2 or EVO2 compatible |
| Cable length | 350mm or as customer's requirements | | |

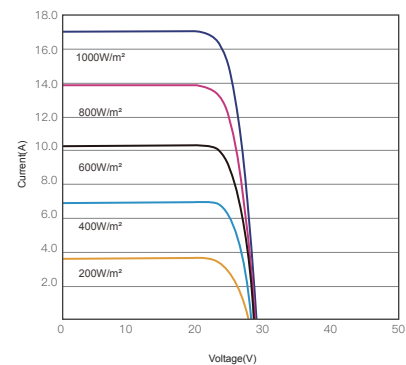
PACKING DETAILS

| | | | |
|------------------|--------------------------------|---------|--------------|
| Dimension | 1760×1096×35mm | Weight | 21.5kg |
| Loading Capacity | 354 pcs/20'GP 832 pcs/40'HC | Packing | 31pcs/pallet |

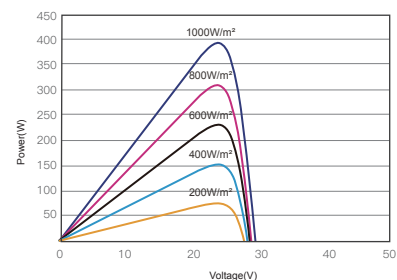
ENGINEERING DRAWINGS



IV CURVES



I-V CURVES OF PV MODULE(395W)



P-V CURVES OF PV MODULE(395W)