



HUGE SOLAR

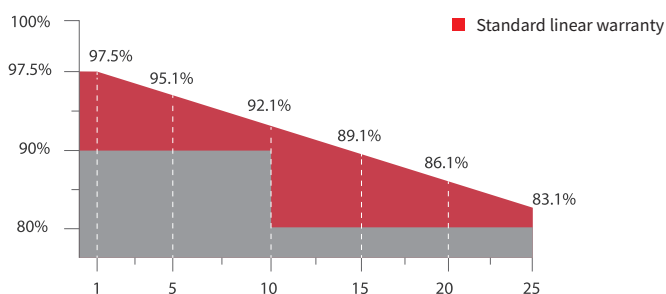
HS-M182H672-530-550W

530-550W Mono

Suitable for ground power plants and large projects. 182mm silicon wafers with multi-busbar and half-cut cell technologies. Resistant to harsh environments such as salt, ammonia, sand, high temperature and high humidity areas. High module quality ensures long-term reliability.



Linear performance Warranty



Linear performance warranty



Product warranty

Comprehensive Certificates

CERTIFICATION

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



QIDONG SHENYA INDUSTRY CO., LTD

Tel : +86-152-50188350 Email : paul@huge-solar.com

Add: 249 Park South Road, Qidong City, Jiangsu Province, China



Electrical Specification (STC*)

| | | | | | | |
|------------------------|----------------------|-------|-------|-------|-------|-------|
| Maximum Power | P _{max} (W) | 530 | 535 | 540 | 545 | 550 |
| Maximum Power Voltage | V _{mp} (V) | 40.74 | 40.88 | 41.01 | 41.15 | 41.28 |
| Maximum Power Current | I _{mp} (A) | 13.01 | 13.09 | 13.17 | 13.24 | 13.32 |
| Open Circuit Voltage | V _{oc} (V) | 49.26 | 49.40 | 49.53 | 49.67 | 49.80 |
| Short Circuit Current | I _{sc} (A) | 13.69 | 13.77 | 13.85 | 13.93 | 14.01 |
| Module Efficiency | (%) | 20.6 | 20.8 | 21.0 | 21.2 | 21.4 |
| Power Output Tolerance | (W) | 0~+5 | | | | |

* Irradiance 1000W/m², Module Temperature 25°C, Air Mass 1.5

Electrical Specification (NOCT*)

| | | | | | | |
|-----------------------|----------------------|-------|-------|-------|-------|-------|
| Maximum Power | P _{max} (W) | 394 | 398 | 402 | 406 | 410 |
| Maximum Power Voltage | V _{mp} (V) | 37.92 | 38.05 | 38.19 | 38.32 | 38.46 |
| Maximum Power Current | I _{mp} (A) | 10.40 | 10.46 | 10.52 | 10.58 | 10.64 |
| Open Circuit Voltage | V _{oc} (V) | 46.50 | 46.63 | 46.75 | 46.88 | 47.00 |
| Short Circuit Current | I _{sc} (A) | 11.06 | 11.12 | 11.19 | 11.25 | 11.32 |

* Irradiance 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

Mechanical Data

| | |
|---------------------------------|--|
| Number of Cells | 144 Cells (6x24) |
| Dimensions of Module L*W*H (mm) | 2279x1134x35mm (89.72x44.64x1.38 inches) |
| Weight (kg) | 29.4 kg |
| Glass | High transparency solar glass 3.2mm (0.13 inches) |
| Backsheet | White |
| Frame | Silver, anodized aluminium alloy |
| J-Box | IP68 Rated |
| Cable | 4.0mm ² (0.006 inches ²), 300mm (11.8 inches) |
| Number of diodes | 3 |
| Wind/ Snow Load | 2400Pa/ 5400Pa* |
| Connector | MC Compatible |

* For more details please check the installation manual

Temperature Ratings

| | |
|---|------------|
| Nominal Operating Cell Temperature (NOCT) | 44±2°C |
| Temperature Coefficient of I _{sc} | +0.048%/°C |
| Temperature Coefficient of V _{oc} | -0.270%/°C |
| Temperature Coefficient of P _{MAX} | -0.350%/°C |

Maximum Ratings

| | |
|-------------------------|---------------|
| Operational Temperature | -40~+85°C |
| Maximum System Voltage | 1500V DC -(H) |
| Max Series Fuse Rating | 25A |

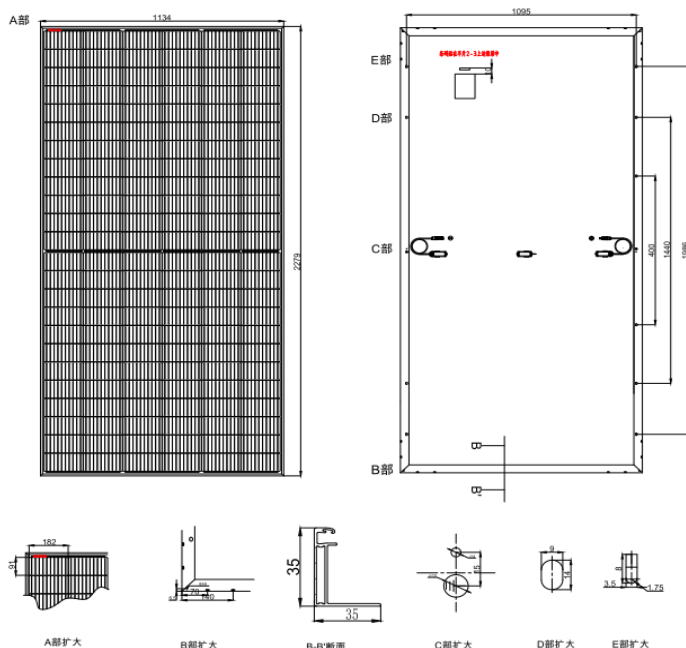
Packaging Configuration

| | |
|--------------------------|------------|
| Module per box | 31 pieces |
| Module per 40' container | 620 pieces |

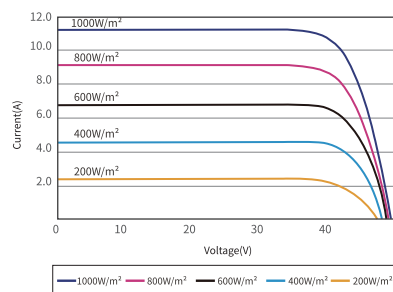
Optional

| | |
|-----------|---|
| Connector | <input checked="" type="checkbox"/> MC Original |
|-----------|---|

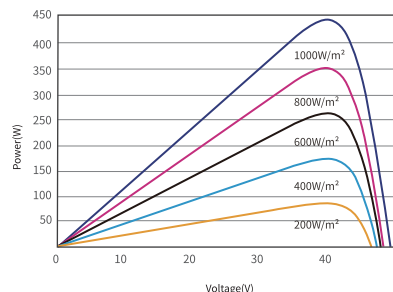
ENGINEERING DRAWINGS



IV CURVES



I-V CURVES OF PV MODULE(540W)



P-V CURVES OF PV MODULE(540W)