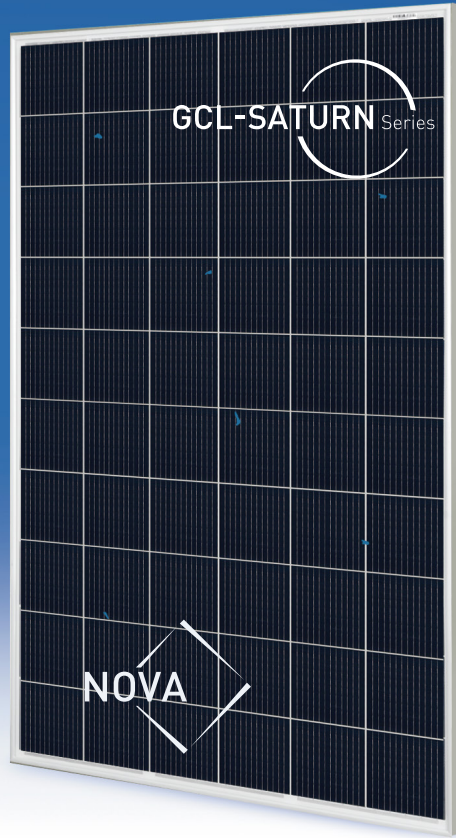




GCL-M6/60DH

Bifacial Cast Mono Module

295-330W



330W

Maximum Power Output

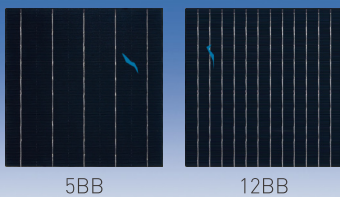
19.6%

Maximum Module Efficiency

0~+5W

Power Output Guarantee

Cell Type



5BB

12BB



Lower LID due to lower oxygen and carbon content



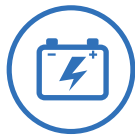
Selected encapsulating material and stringent production process control ensure the product is highly PID resistant and snail trails free



Sand blowing test, salt mist test and ammonia test passed to endure harsh environments



More evenly distributed soldering points and better reliability and lower hot spot risk



Special cell process ensures great performance under low irradiance conditions

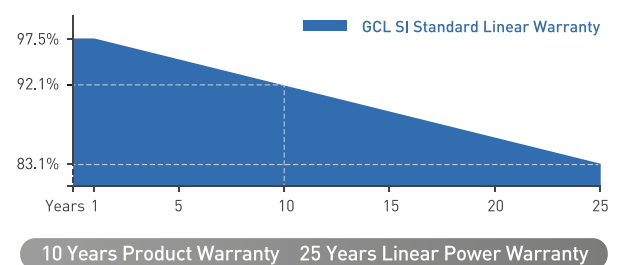


Transparent backsheet, double-sided sun capturing, power generation increase in returns

GCL Delivers Reliable Performance Over Time

- World-class manufacturer of crystalline silicon photovoltaic modules
- Fully automatic facility and world-class technology
- Rigorous quality control to meet the highest standard: ISO9001:2015, ISO14001: 2015 and OHSAS: 18001 2007
- Tested for harsh environments (salt mist, ammonia corrosion and sand blowing test: IEC 61701, IEC 62716, DIN EN 60068-2- 68)
- Long term reliability tests
- 2x100% EL inspection ensuring defect-free modules

Linear Performance Warranty



* Please refer to GCL standard warranty for details

Additional Insurance Backed by Swiss RE



* Please refer to GCL for details

Electrical Specification (STC*)

| Test Condition | | Front | Rear | Front | Rear | Front | Rear | Front | Rear | Front | Rear | Front | Rear | Front | Rear | Front | Rear |
|------------------------|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum Power | P _{max} (W) | 295 | 209 | 300 | 212 | 305 | 216 | 310 | 219 | 315 | 223 | 320 | 227 | 325 | 230 | 330 | 233 |
| Maximum Power Voltage | V _{mp} (V) | 32.89 | 33.23 | 33.08 | 33.42 | 33.30 | 33.61 | 33.48 | 33.80 | 33.66 | 33.99 | 33.83 | 34.18 | 34.00 | 34.35 | 34.17 | 34.52 |
| Maximum Power Current | I _{mp} (A) | 8.97 | 6.28 | 9.07 | 6.35 | 9.16 | 6.42 | 9.26 | 6.49 | 9.36 | 6.56 | 9.46 | 6.63 | 9.56 | 6.69 | 9.66 | 6.76 |
| Open Circuit Voltage | V _{oc} (V) | 39.90 | 39.31 | 40.10 | 39.51 | 40.30 | 39.71 | 40.50 | 39.91 | 40.70 | 40.11 | 40.89 | 40.31 | 41.08 | 40.49 | 41.27 | 40.68 |
| Short Circuit Current | I _{sc} (A) | 9.58 | 6.73 | 9.68 | 6.80 | 9.78 | 6.87 | 9.88 | 6.94 | 9.98 | 7.01 | 10.08 | 7.08 | 10.18 | 7.15 | 10.28 | 7.22 |
| Module Efficiency | (%) | 17.5 | 12.4 | 17.8 | 12.6 | 18.1 | 12.8 | 18.4 | 13.0 | 18.7 | 13.2 | 19.0 | 13.4 | 19.3 | 13.6 | 19.6 | 13.8 |
| Power Output Tolerance | (W) | 0~+5 | | | | | | | | | | | | | | | |

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

Electrical Specification (NOCT*)

| Test Condition | | Front | Rear | Front | Rear | Front | Rear | Front | Rear | Front | Rear | Front | Rear | Front | Rear | Front | Rear |
|-----------------------|----------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Maximum Power | P _{max} (W) | 220.40 | 155.04 | 224.30 | 157.59 | 227.92 | 160.47 | 231.88 | 162.84 | 235.87 | 165.45 | 239.58 | 168.39 | 243.32 | 171.36 | 247.09 | 174.35 |
| Maximum Power Voltage | V _{mp} (V) | 30.40 | 30.40 | 30.60 | 30.60 | 30.80 | 30.80 | 31.00 | 30.90 | 31.20 | 31.10 | 31.40 | 31.30 | 31.60 | 31.50 | 31.80 | 31.70 |
| Maximum Power Current | I _{mp} (A) | 7.25 | 5.10 | 7.33 | 5.15 | 7.40 | 5.21 | 7.48 | 5.27 | 7.56 | 5.32 | 7.63 | 5.38 | 7.70 | 5.44 | 7.77 | 5.50 |
| Open Circuit Voltage | V _{oc} (V) | 37.10 | 36.50 | 37.30 | 36.70 | 37.50 | 36.90 | 37.70 | 37.10 | 37.90 | 37.30 | 38.10 | 37.40 | 38.30 | 37.50 | 38.50 | 37.60 |
| Short Circuit Current | I _{sc} (A) | 7.75 | 5.44 | 7.83 | 5.50 | 7.91 | 5.55 | 7.99 | 5.61 | 8.07 | 5.67 | 8.15 | 5.73 | 8.23 | 5.79 | 8.31 | 5.85 |

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

Mechanical Data

| | |
|---------------------------------|--|
| Number of Cells | 60 Cells (6×10) |
| Dimensions of Module L*W*H (mm) | 1686×1000×35mm (66.38×39.37×1.38 inches) |
| Weight (kg) | 19.2 kg |
| Glass | High transparency solar glass 3.2mm (0.13 inches) |
| Backsheet | Transparent |
| Frame | Silver, anodized aluminium alloy |
| J-Box | IP68 Rated |
| Cable | 4.0mm ² (0.006 inches ²), length of +:200mm (7.87 inches), length of -:75mm (2.95 inches) |
| Number of diodes | 3 |
| Wind/Snow Load | 2400Pa/ 5400Pa* |
| Connector | MC Compatible |

* For more details please check the installation manual of GCLSI

Temperature Ratings

| | |
|---|-----------|
| Nominal Operating Cell Temperature (NOCT) | 45±2°C |
| Temperature Coefficient of I _{sc} | +0.06%/°C |
| Temperature Coefficient of V _{oc} | -0.30%/°C |
| Temperature Coefficient of P _{MAX} | -0.39%/°C |

Maximum Ratings

| | |
|-------------------------|-----------|
| Operational Temperature | -40~+85°C |
| Maximum System Voltage | 1500V DC |
| Max Series Fuse Rating | 20A |

Optional

Connector: Original MC4

Packaging Configuration

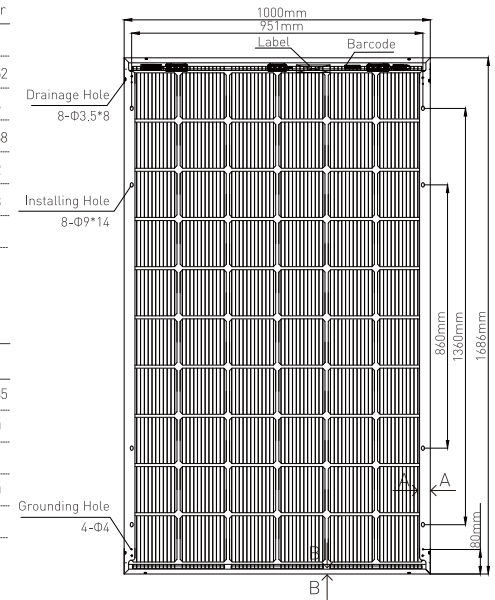
| | |
|--------------------------|------------|
| Module per box | 30 pieces |
| Module per 40' container | 780 pieces |



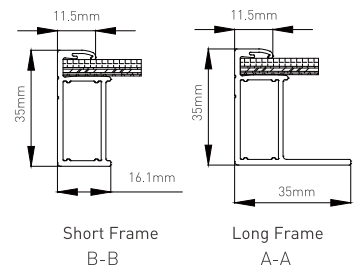
Contact Us for More Information

website: www.gclsi.com email: gclsisales@gclsi.com

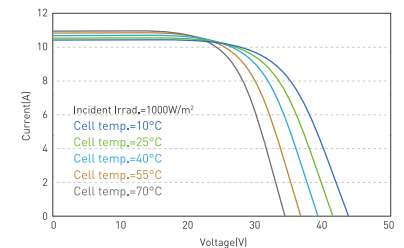
Module Dimension



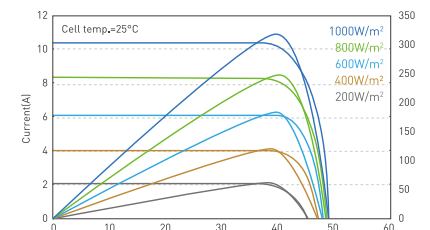
Back View



I-V Curve at Different Temperature (330W)



I-P/P-V Curve at Different Irradiation (330W)



CAUTION: READ INSTALLATION MANUAL BEFORE USING THE PRODUCT