



HALF CUT MONO CRYSTALLINE MODULE

CE-390/395/400/405/410HM72



Higher Efficiency

The highest efficiency of the series is up to 20.38%.



High Reliability

Superior craftsmanship, engineering excellence, and attention to the finest detail ensure longevity and optimal performance.



Low-Light Performance

Excellent power generation performance under Low-light.



Extremely Environmental Testing

Remain peak performance in extreme environments.



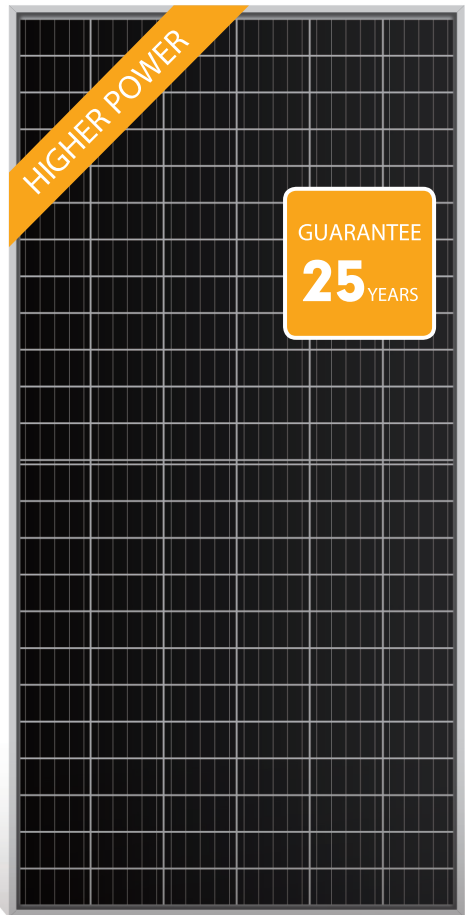
Strength and Durability

Certified for 5400Pa snow and 2400Pa loads test.



PID Free

Certified for Anti-PID under 85 degrees Celsius, 85% RH for 288 hours.



Centro Energy Electric Quality

For more than 10 years, we have been perfecting our PV modules to bring you the highest quality products possible.

- Automated cell and module production lines ensure consistently high quality in every module.
- Each cell and module flash tested to ensure rated level of output.
- Aesthetically pleasing black frame and cells.
- Lead-free solder protects health and the environment.

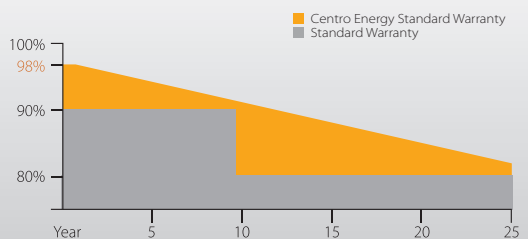
Authorised Photovoltaic Certificates



System Certification

- ISO 9001: 2015
- ISO 14001:2015

25 Years Performance Warranty



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Electrical Characteristics under STC*

| Module Type | CE-390HM72 | CE-395HM72 | CE-400HM72 | CE-405HM72 | CE-410HM72 |
|---------------------------------|-------------|-------------|-------------|-------------|-------------|
| Max. power (Pmax) [W] | 390 | 395 | 400 | 405 | 410 |
| Max. power voltage (Vmp) [V] | 41.2 | 41.4 | 41.6 | 41.8 | 42.0 |
| Max. power current (Imp) [A] | 9.47 | 9.55 | 9.62 | 9.68 | 9.76 |
| Open circuit voltage (Voc) [V] | 48.7 | 48.9 | 49.1 | 49.3 | 49.5 |
| Short circuit current (Isc) [A] | 9.96 | 10.03 | 10.10 | 10.17 | 10.25 |
| Max. series fuse rating [A] | 20 | 20 | 20 | 20 | 20 |
| Power tolerance [W] | 0/+5 | 0/+5 | 0/+5 | 0/+5 | 0/+5 |
| Max. system voltage [V] | 1000 / 1500 | 1000 / 1500 | 1000 / 1500 | 1000 / 1500 | 1000 / 1500 |
| Solar panel efficiency [%] | 19.38 | 19.63 | 19.88 | 20.13 | 20.38 |

Mechanical Characteristics

| | |
|--------------|---------------------------------|
| Dimension | 2008mmx1002mmx30mm |
| Weight | 23.5kg |
| Front Glass | 3.2mm, Low Iron Tempered Glass |
| Solar Cell | 144 pcs |
| Frame | Anodized Aluminum Alloy |
| Junction Box | IP 67 / IP 68, 3 diodes |
| Cable | 4mm ² , Length 300mm |
| Connector | MC4 Compatible |

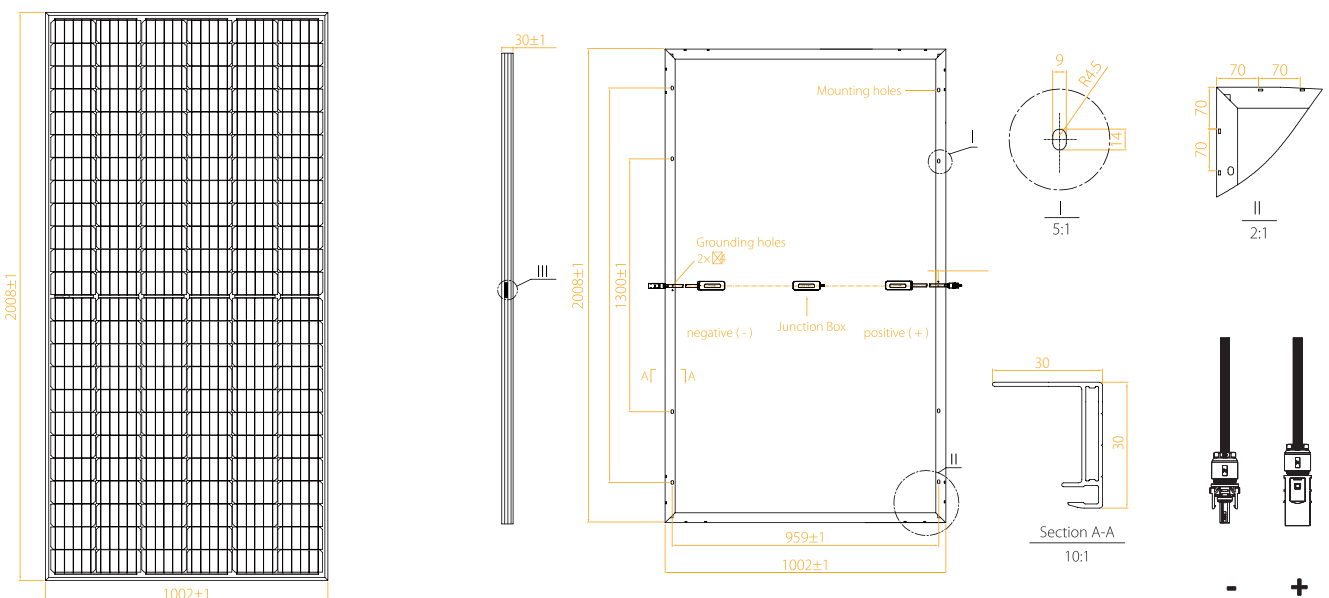
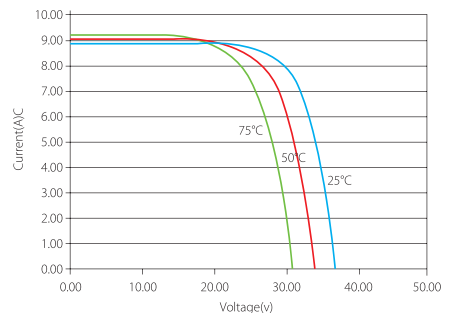
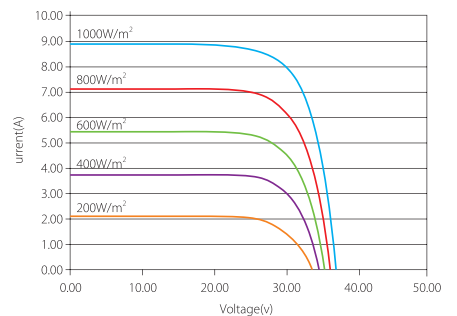
Temperature characteristics

| | |
|----------------------------------|--------|
| Temperature (NOCT) [°C] | 45±2 |
| Temp. coefficient of Pmax [%/°C] | -0.367 |
| Temp. coefficient of Voc [V/°C] | -0.320 |
| Temp. coefficient of Isc [mA/°C] | 0.107 |

Warranty

| |
|---------------------------------------|
| 12 years product warranty |
| 12 years warranty on 90% power output |
| 25 years warranty on 80% power output |

IV CURVE



*STC (Standard Testing Conditions): Irradiance 1000 W/m², cell temperature 25 °C, AM=1.5
ambient temperature 20 °C, wind speed 1 m/s

*NOCT (Nominal Operating Cell Temperature): Irradiance 800 W/m²,
The specifications in this datasheet are subjected to change without prior notice