

Half Cut Mono Crystalline Solar Module

CE-390/395/400/405/410HM60 Full black



Higher Efficiency

Excellent module efficiency up to: 21.3%.



High Reliability

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



High Return on Investment

0.45% annual degradation, 30 year linear warranty, more output. Higher maximum system voltage reduces BOS costs.



Extremely Environmental Testing

Remain peak performance in extreme environments. Class A fireproofing rating.



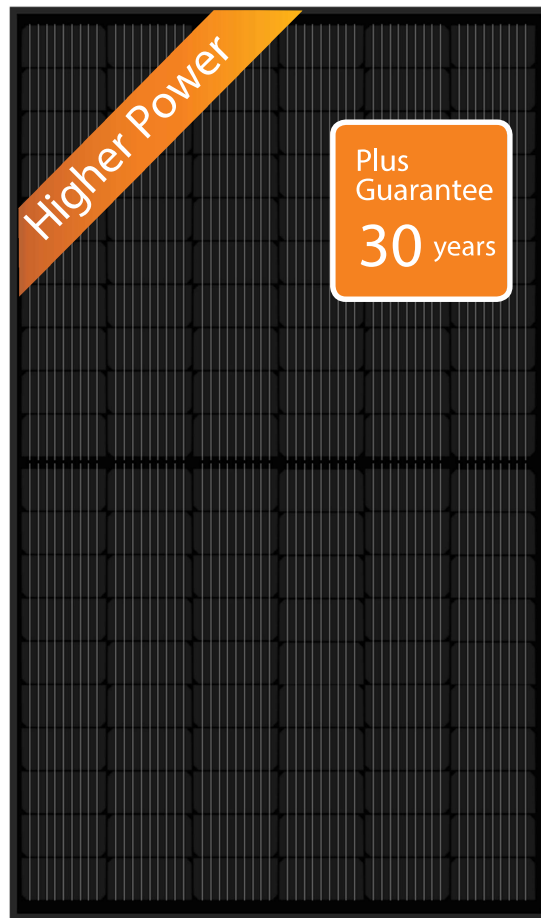
Strength and Durability

Certified for 5400Pa snow and 3600Pa loads test. Passed hail test with 35mm hail stones at 97 km/h.



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.

System Certification

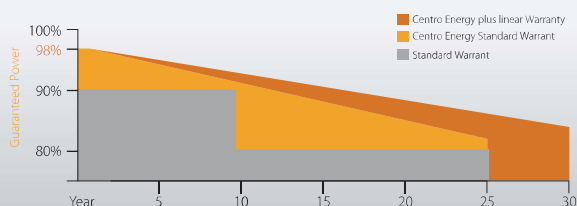
ISO 9001: 2015

ISO 14001:2015

Authorised Photovoltaic Certificates



30 Years Performance Warranty



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Electrical Data (at STC)

	CE-390HM60	CE-395HM60	CE-400HM60	CE-405HM60	CE-410HM60
Max. power (Pmax) [W]	390	395	400	405	410
Max. power voltage (Vmp) [V]	33.80	34.00	34.20	34.40	34.60
Max. power current (Imp) [A]	11.54	11.62	11.70	11.77	11.84
Open circuit voltage (Voc) [V]	40.80	41.00	41.20	41.40	41.60
Short circuit current (Isc) [A]	12.14	12.21	12.28	12.34	12.40
Maximum Series Fuse Rating	20	20	20	20	20
Power tolerance [W]	0/+5	0/+5	0/+5	0/+5	0/+5
Max. system voltage [V]	1500	1500	1500	1500	1500
Solar panel efficiency [%]	20.3	20.5	20.8	21.1	21.4

Note: Standard Test Conditions: Air mass 1.5; Irradiance = 1000W/m²; cell temp. 25°C

Temperature characteristics

Temperature (NOCT) [°C]	45±2
Temp. coefficient of Pmax [%/°C]	-0.360
Temp. coefficient of Voc [V/°C]	-0.260
Temp. coefficient of Isc [mA/°C]	0.040

Mechanical Data

Dimension	1754x1096x35mm
Weight	21.0Kg
Solar cell	Mono-crystalline 210×120pcs / 3*40
Glass	3.2mm, Coated Tempered Glass
Frame	Silver Anodized Aluminium Alloy
Junction Box	IP 68, three diodes
Cable	4mm ² , 1000mm
Connector	MC4 Compatible

Warranty

12 years product warranty
12 years warranty on 92% power output
30 years warranty on 83% power output

I-V CURVES OF PV MODULE (395W)

