



CE-430/435/440/445/450HM

Half Cut Mono Crystalline Module



Higher Efficiency

The highest efficiency of the series is up to 20.2%.



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.

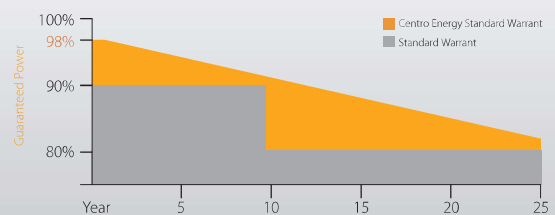
System Certification

- ISO 9001: 2015
- ISO 14001:2015

Authorised Photovoltaic Certificates



25 Years Performance Warranty



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Power Your World

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Electrical Characteristics under STC*

Module Type	CE-430HM	CE-435HM	CE-440HM	CE-445HM	CE-450HM
Max. power (Pmax) [W]	330	435	440	445	450
Max. power voltage (Vmp) [V]	40.6	40.8	41.0	41.2	41.4
Max. power current (Imp) [A]	10.60	10.67	10.74	10.80	10.87
Open circuit voltage (Voc) [V]	49.2	49.4	49.6	49.8	50.0
Short circuit current (Isc) [A]	11.19	11.26	11.33	13.95	11.48
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]	1500	1500	1500	1500	1500
Solar panel efficiency [%]	19.3	19.6	19.8	20.0	20.2

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]	-0.370
Temp. coefficient of Voc [V/°C]	-0.286
Temp. coefficient of Isc [mA/°C]	0.057

Mechanical Data

Dimension	2094x1038x35mm
Weight	24Kg
Front Glass	3.2mm, Coated Tempered Glass
Cell Orientation	144(6X 24)
Frame	Anodized Aluminium Alloy
Junction Box	IP 68, 3 diodes
Cable	4mm ² , Length 300mm
Connector	MC4 Compatible

Warranty

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

