



CE-395/400/405/410/415HM Full black

M10/182mm Cell.108 Half-Cell Layout



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.



Low-Light Performance

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



Extremely Environmental Testing

Remain peak performance in extreme environments.



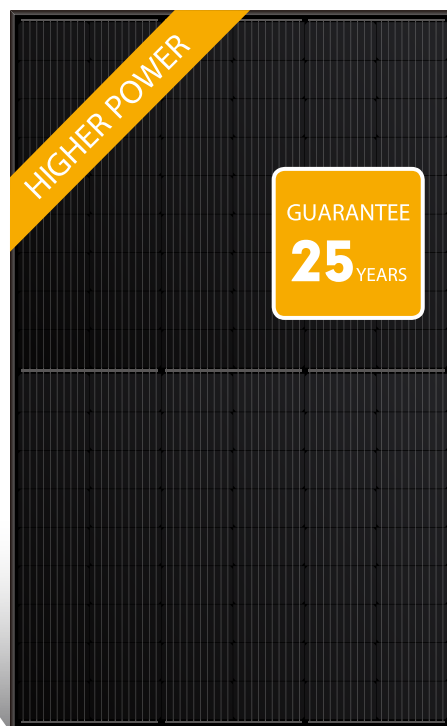
Strength and Durability

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.

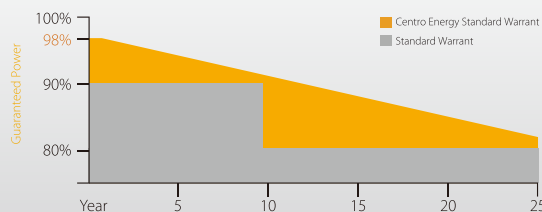
System Certification

- ISO 9001:2015
- ISO 14001:2015

Authorised Photovoltaic Certificates



25 Years Performance Warranty



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Electrical Characteristics under STC*

Module Type	CE-395HM	CE-400HM	CE-405HM	CE-410HM	CE-415HM
Max. power (Pmax) [W]	395	400	405	410	415
Max. power voltage (Vmp) [V]	30.84	31.01	31.21	31.45	31.61
Max. power current (Imp) [A]	12.81	12.90	12.98	13.04	13.13
Open circuit voltage (Voc) [V]	36.98	37.07	37.23	37.32	37.45
Short circuit current (Isc) [A]	13.70	13.79	13.87	13.95	14.02
Max. series fuse rating [A]	25	25	25	25	25
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 [%]	20.22	20.48	20.74	21.00	21.25

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]	-0.350
Temp. coefficient of Voc [V/°C]	-0.275
Temp. coefficient of Isc [mA/°C]	0.045

Mechanical Data

Dimension	1722x1134x30mm
Weight	21.5Kg
Solar cell	Mono-crystalline 182mm (2*54pcs)
Glass	3.2mm, Coated Tempered Glass
Frame	Silver Anodized Aluminium Alloy
Junction Box	IP 68, three diodes
Cable	4mm ² , (-)900mm and (+)900mm
Connector	MC4 Compatible

Warranty

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

I-V CURVE

