



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

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.



High Return on Investment

0.45% annual degradation, 25 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.

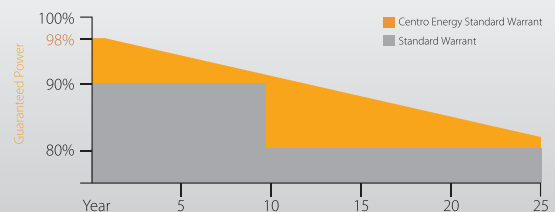
System Certification

- ISO 9001:2015
- ISO 14001:2015

Authorised Photovoltaic Certificates



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

