



CE-530/535/540/545/550HM Bifacial

M10/182mm Cell. 144 Half-Cell Layout



Higher Efficiency

Modules made with bifacial solar cells. Increase total power output generation from front and back side.



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.



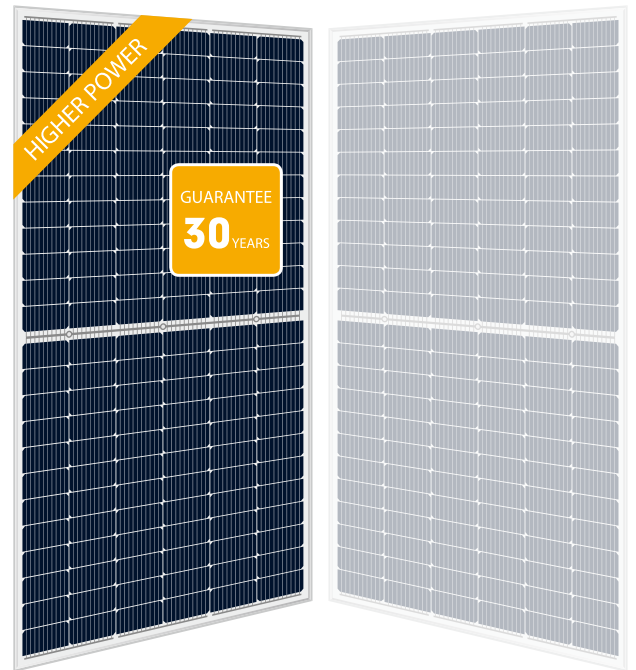
Strength and Durability

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.

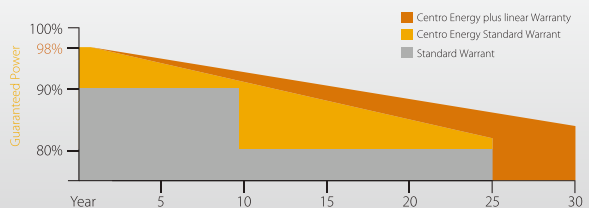
System Certification

- ISO 9001:2015
- ISO 14001:2015

Authorised Photovoltaic Certificates



30 Years Performance Warranty



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Electrical Characteristics under STC*

Module Type	CE-530HM	CE-535HM	CE-540HM	CE-545HM	CE-550HM
Max. power (Pmax) [W]	530	535	540	545	550
Max. power voltage (Vmp) [V]	41.39	41.57	41.75	41.87	42.05
Max. power current (Imp) [A]	12.81	12.87	12.94	13.02	13.08
Open circuit voltage (Voc) [V]	49.24	49.39	49.54	49.69	49.88
Short circuit current (Isc) [A]	13.76	13.83	13.89	13.96	14.01
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 [%]	20.5	20.7	20.9	21.1	21.3

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]	-0.270
Temp. coefficient of Isc [mA/°C]	0.048

Mechanical Data

Dimension	2285x1134x35mm
Weight	31.5Kg
Solar cell	Mono-crystalline 144 (6 x 24)
Glass	2.0mm tempered glass (Front and Back)
Frame	Silver Anodized Aluminium Alloy
Junction Box	IP 68, three diodes
Cable	4mm ² , 350mm, length can be customized
Connector	MC4 Compatible

Warranty

- 12 years product warranty
- 12 years warranty on 92% power output
- 30 years warranty on 80% power output

I-V CURVE

