



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

M10/182mm Cell. 144 Half-Cell Layout



### Higher Efficiency

The highest efficiency of the series is 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.

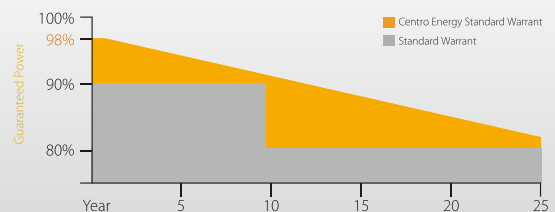
### System Certification

- ISO 9001:2015
- ISO 14001:2015

### Authorised Photovoltaic Certificates



### 25 Years Performance Warranty



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Power Your World

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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]	40.74	40.88	41.01	41.15	41.28
Max. power current (Imp) [A]	13.01	13.09	13.17	13.24	13.32
Open circuit voltage (Voc) [V]	49.26	49.40	49.53	49.67	49.80
Short circuit current (Isc) [A]	13.69	13.77	13.85	13.93	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/m<sup>2</sup>; 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	2279x1134x35mm
Weight	27.2Kg
Solar cell	Mono-crystalline 144 (6 x 24)
Glass	3.2mm, Anti-Reflection, Low Tempered Glass
Frame	Silver Anodized Aluminium Alloy
Junction Box	IP 68, three diodes
Cable	4mm <sup>2</sup> , 350mm, length can be customized
Connector	MC4 Compatible

## Warranty

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

## I-V CURVE

