

# MONO CRYSTALLINE N-TYPE BIFACIAL

## CE-565/570/575/580/585HML



### HIGH EFFICIENCY

Powerful N-type topcon cells  
Excellent module efficiency up to: 22.65%.



### HIGH RELIABILITY

Superior craftsmanship, engineering excellence, and attention to the finest detail ensure longevity and optimal performance.



### HIGH RETURN ON INVESTMENT

Reduction of balance-of-system-costs through higher performance per module.



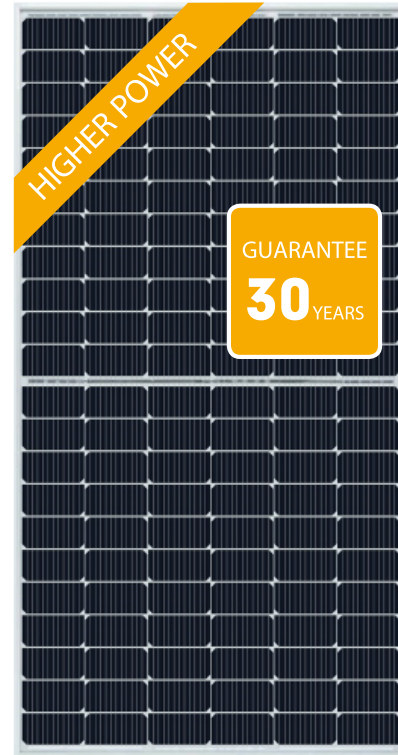
### EXTREMELY ENVIRONMENTAL TESTING

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.



## 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.

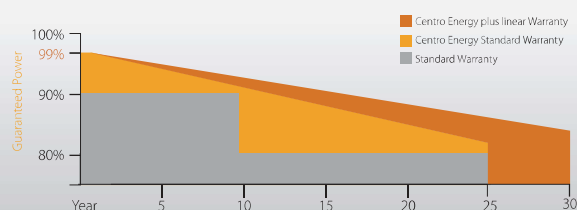
## SYSTEM CERTIFICATION

ISO 9001:2015  
ISO 14001:2015

## AUTHORISED PHOTOVOLTAIC CERTIFICATES



## 30 YEARS PERFORMANCE WARRANTY



# MONO CRYSTALLINE N-TYPE BIFACIAL

## CE-565/570/575/580/585HML

### Electrical Data (at STC)

	CE-565HML	CE-570HML	CE-575HML	CE-580HML	CE-585HML
Max. power (Pmax) [W]	565	570	575	580	585
Max. power voltage (Vmp) [V]	39.73	39.92	40.10	40.28	40.46
Max. power current (Imp) [A]	14.22	14.28	14.34	14.40	14.46
Open circuit voltage (Voc) [V]	47.45	47.66	47.86	48.07	48.27
Short circuit current (Isc) [A]	15.09	15.15	15.21	15.27	15.33
Maximum Series Fuse Rating	30	30	30	30	30
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 [%]	21.87	22.07	22.26	22.45	22.65

Note: Standard Test Conditions: Air mass 1.5; Irradiance = 1000W/m<sup>2</sup>; cell temp. 25°C

### Bifacial Gain

Gain	CE-565HML		CE-570HML		CE-575HML		CE-580HML		CE-585HML	
	Max. power (Pmax) [W]	Module efficiency [%]	Max. power (Pmax) [W]	Module efficiency [%]	Max. power (Pmax) [W]	Module efficiency [%]	Max. power (Pmax) [W]	Module efficiency [%]	Max. power (Pmax) [W]	Module efficiency [%]
5%	593	22.97	599	23.17	604	23.37	609	23.57	614	23.78
	650	25.15	656	25.37	661	25.60	667	25.82	673	26.04
15%	706	27.34	713	27.58	719	27.82	725	28.07	731	28.31
	734	28.31	741	28.55	747	28.79	753	29.03	759	29.27

Note: depending on the reflection of the underlying surface.

### Temperature characteristics

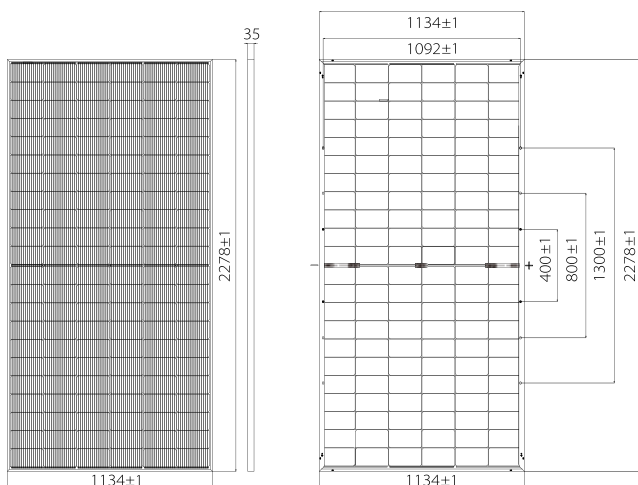
Temperature (NMOT) [°C]	45±2%/ °C
Temp. coefficient of Pmax [%/°C]	-0.29%/ °C
Temp. coefficient of Voc [V/°C]	-0.25%/ °C
Temp. coefficient of Isc [mA/°C]	+0.045%/ °C

### Warranty

12 Year Product Warranty
30 Year Linear Power Warranty
0.4% Annual Degradation Over 30 years

### Mechanical Data

Dimension	2278 × 1134 × 35mm
Weight	32.0kg
Solar cell	N-Type TOPCon
Front Glass	2.0mm coated semi-tempered glass
Back Glass	2.0mm semi-tempered glass
Frame	Stable, anodized aluminium frame
Junction Box	IP 68, three diodes
Cable	4mm <sup>2</sup> , 280mm(+)/350mm(-)
Connector	MC4 Compatible



### Electrical characteristics CE-575HML

