

MONO CRYSTALLINE N-TYPE BIFACIAL

CE-570/575/580/585/590HML



HIGH EFFICIENCY

Powerful N-type topcon cells
Excellent module efficiency up to: 22.84%.



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.



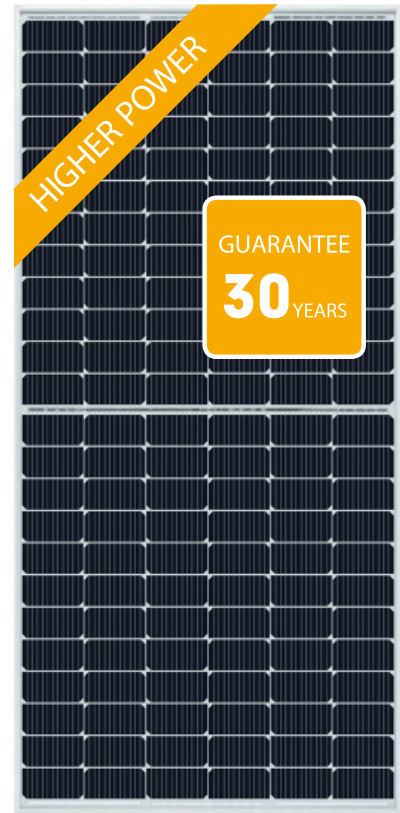
EXTREMELY ENVIRONMENTAL TESTING

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.

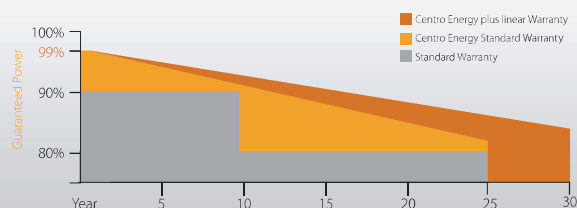
SYSTEM CERTIFICATION

ISO 9001:2015
ISO 14001:2015

AUTHORISED PHOTOVOLTAIC CERTIFICATES



30 YEARS PERFORMANCE WARRANTY



MONO CRYSTALLINE N-TYPE BIFACIAL CE-570/575/580/585/590HML

Electrical Data (at STC)

	CE-570HML	CE-575HML	CE-580HML	CE-585HML	CE-590HML
Max. power (Pmax) [W]	570	575	580	585	590
Max. power voltage (Vmp) [V]	42.41	42.56	42.71	42.86	43.00
Max. power current (Imp) [A]	13.44	13.51	13.58	13.65	13.72
Open circuit voltage (Voc) [V]	51.41	51.55	51.68	51.81	51.94
Short circuit current (Isc) [A]	14.15	14.22	14.29	14.36	14.43
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 [%]	22.07	22.26	22.45	22.65	22.84

Note: Standard Test Conditions: Air mass 1.5; Irradiance = 1000W/m²; cell temp. 25°C

Bifacial Gain

		CE-570HML	CE-575HML	CE-580HML	CE-585HML	CE-590HML
5%	Max. power (Pmax) [W]	599	604	609	614	620
	Module efficiency [%]	23.17	23.37	23.57	23.78	23.98
15%	Max. power (Pmax) [W]	656	661	667	673	679
	Module efficiency [%]	25.37	25.60	25.82	26.04	26.27
25%	Max. power (Pmax) [W]	713	719	725	731	738
	Module efficiency [%]	27.58	27.82	28.07	28.31	28.55

Note: depending on the reflection of the underlying surface.

Temperature characteristics

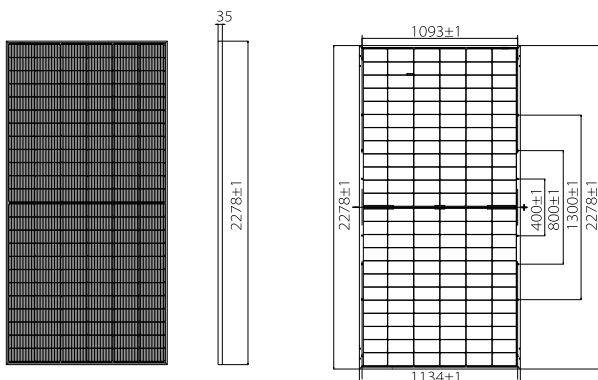
Temperature (NMOT) [°C]	45±2%/ °C
Temp. coefficient of Pmax [%/°C]	-0.29%/ °C
Temp. coefficient of Voc [V/°C]	-0.25%/ °C
Temp. coefficient of Isc [mA/°C]	+0.045%/ °C

Warranty

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

Mechanical Data

Dimension	2278 × 1134 × 35mm
Weight	31.5kg
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 ² , 300mm(+)/300mm(-)
Connector	MC4 Compatible



Electrical characteristics CE-575HML

I-V CURVE

