

DUAL GLASS PV MODULE

CE-315/320/325/330/335DM60



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 2400Pa 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.

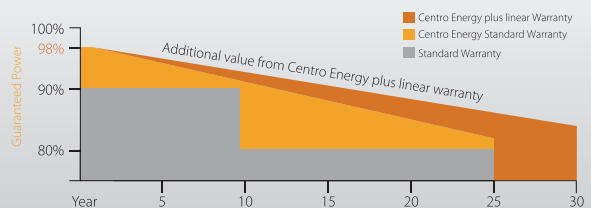
Authorised Photovoltaic Certificates



System Certification

- ISO 9001: 2008
- ISO 14001:2004

30 Years Performance Warranty



DUAL GLASS PV MODULE

CE-315/320/325/330/335DM60



Electrical Characteristics under STC*

Module Type	CE-315DM60	CE-320DM60	CE-325DM60	CE-330DM60	CE-335DM60
Max. power (Pmax) [W]	315	320	325	330	335
Max. power voltage (Vmp) [V]	33.2	33.4	33.6	33.8	34.0
Max. power current (Imp) [A]	9.49	9.59	9.68	9.77	9.87
Open circuit voltage (Voc) [V]	40.7	40.9	41.1	41.3	41.5
Short circuit current (Isc) [A]	10.04	10.15	10.20	10.31	10.36
Max. series fuse rating [A]	20	20	20	20	20
Power tolerance [W]	0/+5	0/+5	0/+5	0/+5	0/+5
Max. system voltage [V]	1000 / 1500	1000 / 1500	1000 / 1500	1000 / 1500	1000 / 1500
Solar panel efficiency [%]	18.49	18.78	19.07	19.37	19.67

Mechanical Characteristics

Dimension	1690mmx1008mmx25mm
Weight	22.0kg
Front Glass	2.0mm AR coating semi-tempered glass, low iron
Solar Cell	158.75 x 158.75mm
Back Glass	2.0mm AR coating semi-tempered glass, low iron
Junction Box	IP67 / IP68, 3 diodes
Connector	MC4 compatible

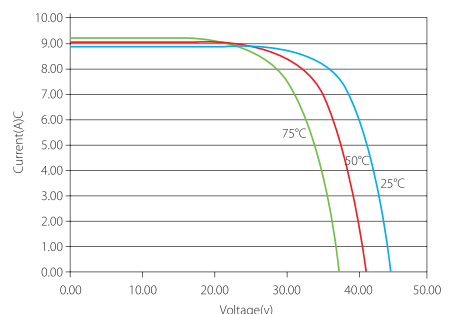
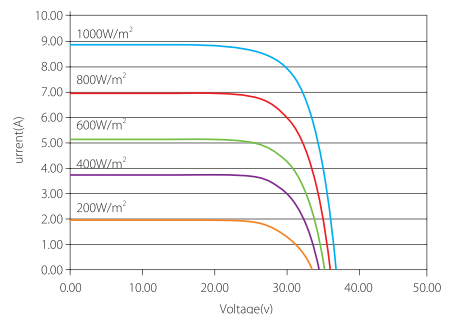
Temperature characteristics

Temperature (NOCT) [°C]	45±2
Temp. coefficient of Pmax [%/°C]	-0.39
Temp. coefficient of Voc [V/°C]	-0.30
Temp. coefficient of Isc [mA/°C]	0.05

Warranty

12 years product warranty
12 years warranty on 93.05% power output
30 years warranty on 84.95% power output

IV CURVE



*STC (Standard Testing Conditions): Irradiance 1000 W/m², cell temperature 25 °C, AM=1.5
ambient temperature 20 °C, wind speed 1 m/s

*NOCT (Nominal Operating Cell Temperature): Irradiance 800 W/m²,
The specifications in this datasheet are subjected to change without prior notice

DUAL GLASS PV MODULE

CE-380/385/390/395/400DM72



Higher Efficiency

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



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Strength and Durability

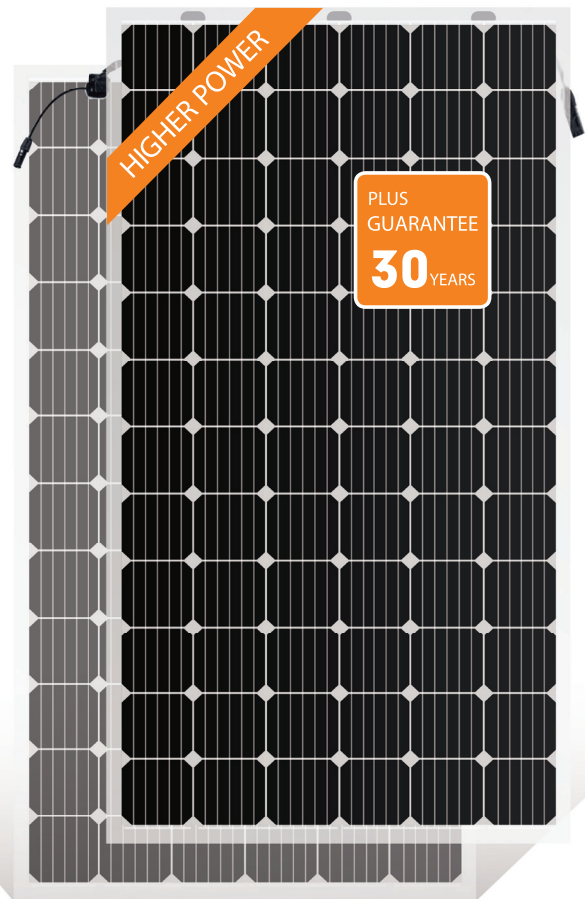
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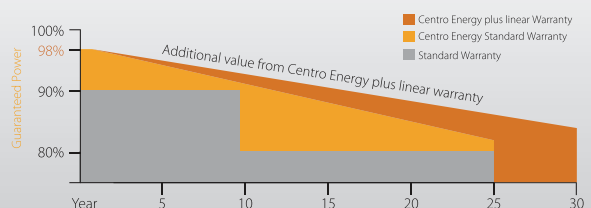
Authorised Photovoltaic Certificates



System Certification

- ISO 9001: 2008
- ISO 14001:2004

30 Years Performance Warranty



DUAL GLASS PV MODULE

CE-380/385/390/395/400DM72



Electrical Characteristics under STC*

Module Type	CE-380DM72	CE-385DM72	CE-390DM72	CE-395DM72	CE-400DM72
Max. power (Pmax) [W]	380	385	390	395	400
Max. power voltage (Vmp) [V]	40.5	40.8	41.1	41.4	41.7
Max. power current (Imp) [A]	9.39	9.44	9.49	9.55	9.60
Open circuit voltage (Voc) [V]	48.9	49.1	49.3	49.5	49.8
Short circuit current (Isc) [A]	9.75	9.92	10.12	10.23	10.36
Max. series fuse rating [A]	20	20	20	20	20
Power tolerance [W]	0/+5	0/+5	0/+5	0/+5	0/+5
Max. system voltage [V]	1000 / 1500	1000 / 1500	1000 / 1500	1000 / 1500	1000 / 1500
Solar panel efficiency [%]	18.74	18.98	19.23	19.48	19.73

Mechanical Characteristics

Dimension	2012mmx1008mmx40mm
Weight	26.5kg
Front Glass	2.0mm AR coating semi-tempered glass, low iron
Solar Cell	158.75 x 158.75mm
Back Glass	2.0mm AR coating semi-tempered glass, low iron
Junction Box	IP67 / IP68, 3 diodes
Connector	MC4 compatible

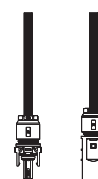
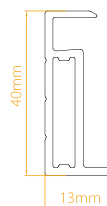
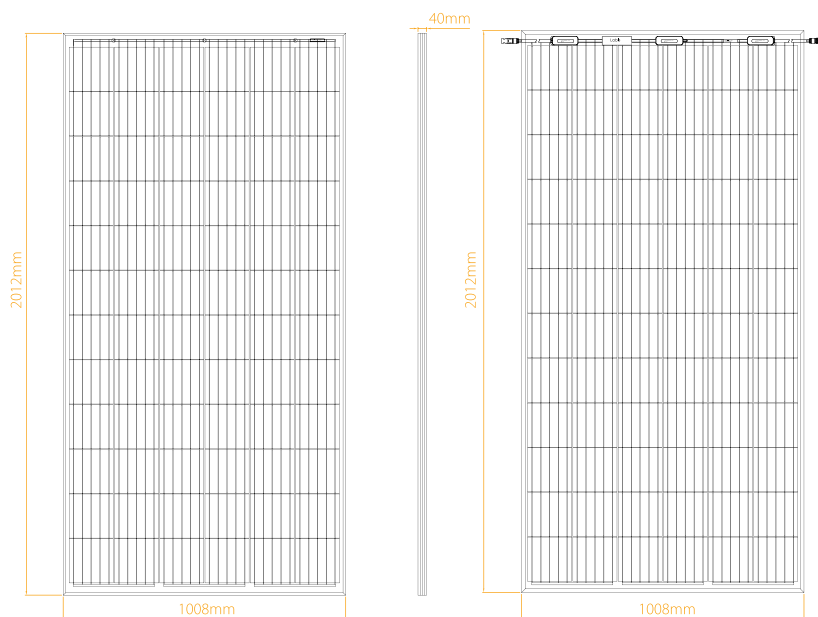
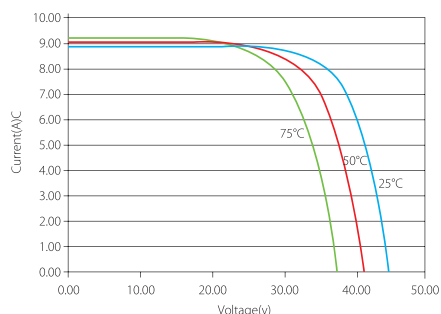
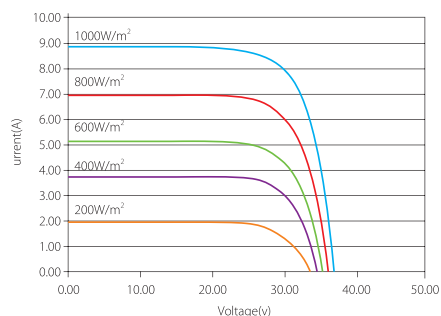
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