

celesta®

Monocrystalline Solar Module

CL270M-60

60 CELL

Mono Crystalline Module

16.53%

Maximum Efficiency

270W

Power Output Range

0/+3W

Positive Power Tolerance

Function Features



5 Busbar Solar Cell

5 busbar solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance, making it perfect for rooftop installation.



High Efficiency

High module conversion efficiency (up to 16.53%), through innovative manufacturing technology.



Severe Weather Resilience

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



Low-light Performance

Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments.



Maximized Energy Harvest

Impedance matching technology eliminates mismatch losses, more power from each module bin.



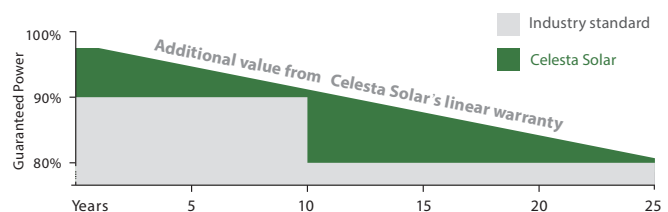
Higher quality assurance

100% EL test before and after lamination, and finished products EL test, providing higher quality assurance.

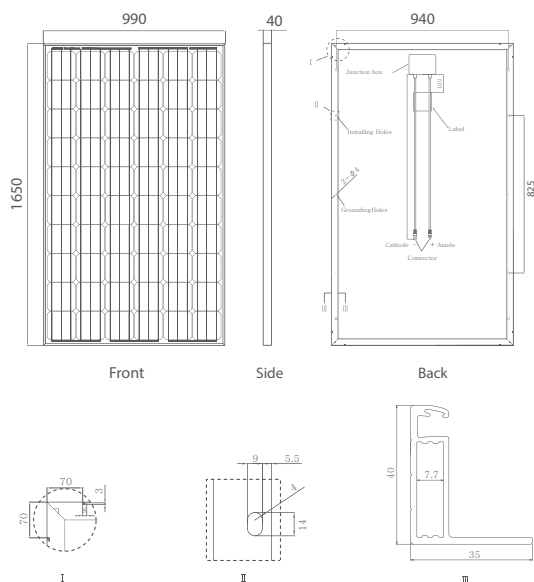
LINEAR PERFORMANCE WARRANTY

10-Year Product Warranty

25-Year Linear Power Warranty



Engineering Drawings

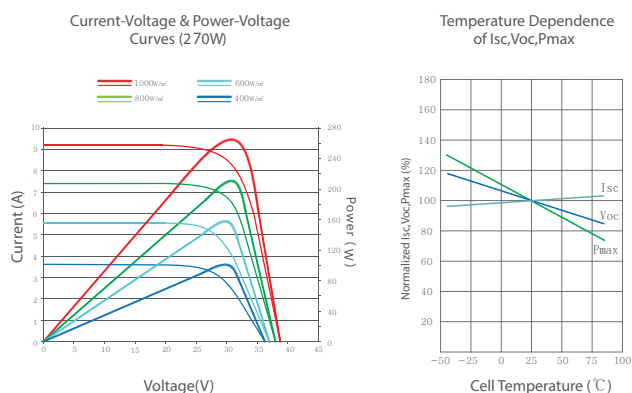


Packaging Configuration

(Two boxes=One pallet)

26pcs/box, 52pcs/pallet, 728pcs/40'GP Container

Current-Voltage Curves



Mechanical Characteristics

Cell Type	Monocrystalline 156.75×156.75mm
Cell Number	60 (6×10)
Dimensions	1650×990×40mm
Weight	17.00 kg
Front Glass	3.2mm, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	1x4.0mm², Length:900mm

Technical Specifications

Module Type	CL270M-60
Maximum Power (Pmax)	270Wp
Maximum Power Voltage (Vmp)	31.4V
Maximum Power Current (Imp)	8.60A
Open-circuit Voltage (Voc)	38.4V
Short-circuit Current (Isc)	9.28A
Module Efficiency STC (%)	16.53%
Operating Temperature(°C)	-40℃~+85℃
Maximum system voltage	1000VDC (IEC)
Maximum series fuse rating	15A
Power tolerance	0~+3%
Temperature coefficients of Pmax	-0.39%/℃
Temperature coefficients of Voc	-0.29%/℃
Temperature coefficients of Isc	0.05%/℃
Nominal operating cell temperature (NOCT)	44±2℃

STC:

Irradiance 1000W/m²

Cell Temperature 25°C

AM=1.5

Wind Speed 1m/s

Ambient Temperature 20°C

AM=1.5