

CSUN250 -60M

Highest Module Efficiency: 16.02%

Our standard modules are designed, developed and manufactured for both residential and commercial, rooftop and ground-mounted, as well as on-grid and off-grid photovoltaic projects.

Quality of our products is the reason of CSUN's life. We select the best raw materials and conduct regular testing to ensure that they can meet our rigorous quality standards. Every module has been tested before delivery to make sure the efficiency tolerance is in a narrow range. Each link is strictly controlled to ensure the benefit of our customers.



Features

- 60 High-Efficiency Monocrystalline Solar Cells;
- Passing mechanical load test of 5400Pa according to IEC 61215(advanced test);
- Tested to withstand hails with maximum diameter of 25mm with impact speed of 23m/s;
- The high-transparency low-iron tempered glass allows maximum light permeability while enhancing stiffness and impact resistance;
- Integrated bypass diodes to protect the solar cell circuit from hot spots during partial shadowing;
- Our module technology avoids any problems of water freezing and warping;
- Low power tolerance of $\pm 3\%$;
- Black backsheet is also available.

Quality and Certificates

- 5-year hardware warranty;
- 25-year power output warranty.*
- Certifications:

Certification Authority	Test Standard		Power Range
TÜV Rheinland	IEC61215	IEC61730	210W-255W
TÜV InterCert	IEC61215	IEC61730	210W-250W
UL	UL1703		230W-250W
Intertek	UL1703		210W-255W
CEC	IEC61215	UL1703	220W-250W
FSEC	IEC61215	UL1703	210W-255W
MCS	IEC61215	IEC61730	210W-250W



* 12 year at 90% of the minimal rated power output, 20 year at 83%, and 25 year at 80%.

Specifications

Type	260-60M	255-60M	250-60M	245-60M	240-60M
Peak Power (Pmpp)	260	255	250	245	240
Open Circuit Voltage (Voc)	37.6	37.5	37.3	37.2	37.0
Short Circuit Current (Isc)	8.93	8.86	8.78	8.69	8.62
Optimum operating Voltage (Vmpp)	30.3	30.2	30.1	30.0	29.8
Optimum operating Current (Impp)	8.58	8.45	8.31	8.17	8.06
Module efficiency	16.02%	15.71%	15.40%	15.09%	14.78%
Maximum system voltage [V]	1000				
Voltage temperature coefficient	-0.307%/K				
Current temperature coefficient	+0.039%/K				
Power temperature coefficient	-0.423%/K				
Series fuse rating[A]	15				
Cells	6×10 pieces monocrystalline solar cells series strings				
Junction box	156mm×156mm (6inch)				
Cable	with 6 bypass diodes				
Front glass	length 900 mm (35.4inch), 1×4 mm ² (0.16inch ²)				
Cell encapsulation	white toughened safety glass, 3.2 mm (1/8inch)				
Back sheet	EVA (Ethylene-Vinyl-Acetate)				
Frame	composite film				
Dimensions	anodised aluminium profile				
Weight	1640×990×50mm (L×W×H) [64.57×38.98×1.97inch]				
	19.8kg (43.7lbs)				

The electrical data relates to standard test conditions [STC]: 1,000 W/m²; AM 1.5; 25°C.

Performance deviation of P_{mp}: ± 3%; Performance deviation of Voc, Isc, V_{mp} and I_{mp}: ± 10%.

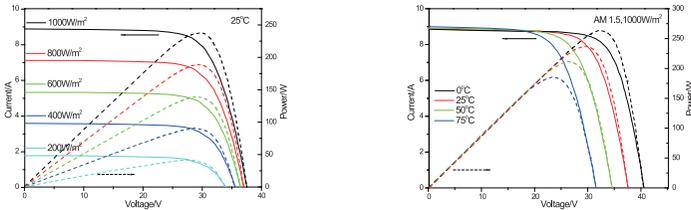
Certified in accordance with IEC61215, IEC61730-1/2 and UL1703.

Operating Condition & Packaging

Maximum surface load capacity	tested up to 5,400 Pa according to IEC 61215
Hail	maximum diameter of 25 mm with impact speed of 23m/s (51.2mph)
Temperature range	-40 °C to +85 °C

Dimensions(L×W×H)	Container 20'	Container20'HC	Container40'	Container40'HC
1640×990×50mm	240	258	560	602

IV-Curves



Dimensions

