

2. Main equipment

2.1 Photovoltaic Modules

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 Polycrystalline 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;
- Black back sheet or black frame is also available.

Electrical characteristics at Standard Test Conditions(STC)		Temperature Characteristics	
Module type	CSUN 270-60P	Voltage Temperature Coefficient	0.292%/K
Pmpp[W]	270	Current Temperature Coefficient	+0.045%/K
VocM	37.9	Power Temperature Coefficient	0408%/K
Isc [A]	9.08	Mechanical Characteristics	
VmppM	30.7	Dimension With Weight Frame	1640x990x40mm(LxWxH)
Impp[A]	8.8	Weight	19.1kg
Module efficiency	16.63%	Cell	6x10 pieces polycrystic line solar cells series strings (156mmx156mm)
Junction Box	with 6bypass diode	Back Sheet	White roughened safety glass, 3.2mm

Standard Test Conditions(STQ irradiance 1000W/ m² AM 15;cell temperature 25°C. Measuring uncertainty of power is within: 1:3%.

