

QSAR 260 SERIES

CSUN255-60M
CSUN260-60M
CSUN265-60M
CSUN270-60M

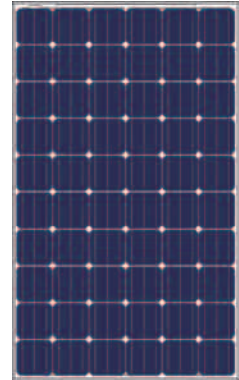


19% Average Cell Efficiency

QSAR™ solar cell improves solar light response by restricting the recombination of light-induced holes and electrons, based on a novel fully emitter passivation technology, to obtain a single side PN at low temperature.

QSAR™ technology can deliver you much higher conversion efficiency, in a more simplified process. We successfully cut the production links and narrow the distribution of efficiency performance, to achieve better quality control.

In addition, QSAR™ technology is easy to combine with other technologies developed by CSUN to improve efficiency further.



Features

- ☉ Higher power output than conventional solar modules;
- ☉ Narrow distribution of conversion efficiency;
- ☉ Concentrated current distribution performance;
- ☉ Less mismatch;
- ☉ Simplified process and better quality control.

Guarantee

Product workmanship: 10 years

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

Certificates

Certification Authority	Test Standard	Power Range
TÜV Rheinland	IEC61215 IEC61730	255W-270W
Intertek	UL1703	255W-275W

Specifications

Module name	QSAR™ 270	QSAR™ 265	QSAR™ 260	QSAR™ 255
Module type	CSUN 270-60M	CSUN 265-60M	CSUN 260-60M	CSUN 255-60M
Peak Power (Pmpp)	270	265	260	255
Open Circuit Voltage (Voc)	38.3	38.2	38.1	38.0
Short Circuit Current (Isc)	9.07	8.98	8.90	8.82
Optimum operating Voltage (Vmp)	31.2	31.0	30.8	30.7
Optimum operating Current (Imp)	8.65	8.55	8.44	8.30
Module efficiency	16.63%	16.32%	16.02%	15.71%
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]	20			
Cells	6×10 pieces monocrystalline solar cells series strings (156mm×156mm)			
Junction box	with 6 bypass diodes			
Cable	length 900 mm, 1×4 mm			
Front glass	White toughened safety glass, 3.2 mm			
Cell encapsulation	EVA (Ethylene-Vinyl-Acetate)			
Back sheet	composite film			
Frame	Anodized aluminum profile			
Dimensions	1640×990×40mm [64.57×38.98×1.57inch] (L×W×H)			
Weight	19.1kg (42.1lbs)			

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

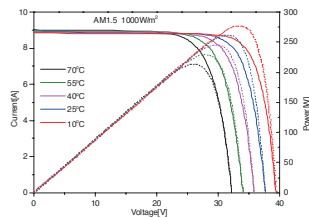
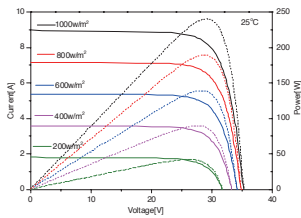
Performance deviation of P_{mp}: 0~±3%; Performance deviation of V_{oc}, I_{sc}, V_{mp} and I_{mp}: ± 10%.

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

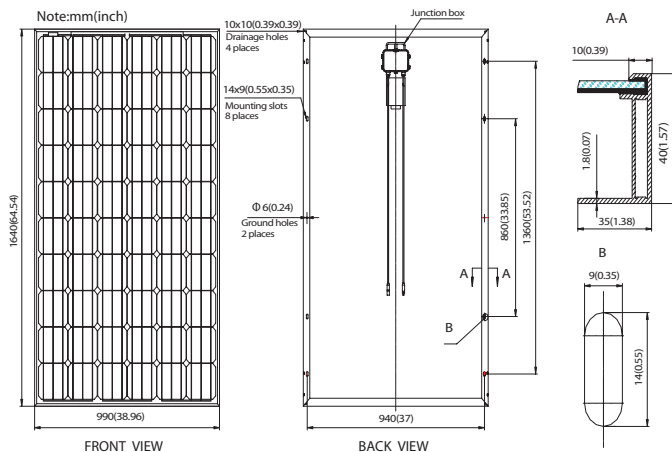
Packaging

Dimensions(L×W×H)	Container 20'	Container20'HC	Container40'	Container40'HC
1640×990×40mm	300	324	700	756

IV Curve



Dimensions



China Sunergy (Nanjing) Co., Ltd. www.chinasunergy.com

©SPR is the trade mark owned by CSUN, also the brand name of high efficiency solar module produced by CSUN. From March 2012, CSUN will change "QUASAR" originally used into "QSAR".