CSUN
energy for the future

Poly
Mono

CSUN270-60M

Highest efficiency offer: QSAR™

QSAR™

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

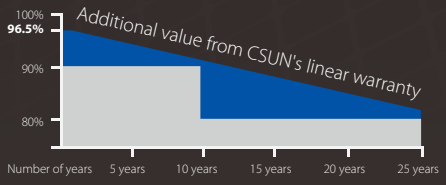
PowerGuard
SPECIALTY INSURANCE SERVICES

Powerguard insurance global coverage

Within the first year, the output power shall not be less than 96.5% of the minimum output power in CSUN's product datasheet, thereafter the loss of output power shall not exceed 0.68% per year, ending with 80.18% in the 25th year.

CSUN Standard warranty

CSUN's **NEW** linear performance warranty



19%
Average cell efficiency

270W
Highest power output

10year
Material & Workmanship warranty

25year
Linear power output warranty

- Higher efficiency perfect for rooftop projects
- Positive tolerance offer
- Excellent current distribution performance reduces power loss during module assembling
- Passed salt mist corrosion testing and ammonia corrosion testing
- Certificated to withstand Wind (2400Pa) and Snow load (7200Pa)
- Excellent performance under weak light condition
- Good Temperature Coefficient performance enables better output in the tropical zone

- China Sunergy (Nanjing) Co., Ltd. (NASDAQ: CSUN), established in 2004, is a hi-tech corporation with its core business in R&D, manufacturing, and sale of high efficiency silicon based solar cells and modules.
- As one of the leading PV enterprises in the world, CSUN has delivered more than 1GW solar products, to residential, commercial, utility and off-grid projects all around the world.
- Through strict selection of raw materials, stringent quality control and rigorous test in state of the art facilities in Nanjing and Shanghai, CSUN has always committed to higher efficiency, more stable and better cost performance products.

QSAR™ 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".

All information and data are subject to change without notice.

www.chinasunergy.com

Electrical characteristics at Standard Test Conditions(STC)

Module type	QSAR 270-60M	QSAR 265-60M	QSAR 260-60M	QSAR 255-60M
Pmpp(W)	270	265	260	255
Positive power tolerance	0~3%			
Voc(V)	38.3	38.2	38.1	38.0
Isc(A)	9.07	8.98	8.90	8.82
Vmpp(V)	31.2	31.0	30.8	30.7
Impp(A)	8.65	8.55	8.44	8.30
Module efficiency	16.63%	16.32%	16.02%	15.71%

Electrical data relates to standard test conditions (STC) : irradiance 1000W/㎡ ; AM 1.5 ; cell temperature 25℃. measuring uncertainty of power is within ±3%. Certified in accordance with IEC61215, IEC61730-1/2 and UL 1703

Electrical Characteristics at Normal Operating Cell Temperature(NOCT)

Module type	QSAR 270-60M	QSAR 265-60M	QSAR 260-60M	QSAR 255-60M
Maximum Power-Pmax	198	195	192	188
Maximum Power Voltage-Vmp(V)	28.8	28.6	28.4	28.1
Maximum Power Current-Impp(A)	6.88	6.82	6.76	6.68
Open Circuit Voltage(V)-Voc(V)	35.3	35.2	35.1	35
Short Circuit Current(A)-Isc(A)	7.36	7.28	7.19	7.12

Electrical data relates to standard test conditions (NOCT) : irradiance 800W/㎡ ; wind speed 1 m/s ; cell temperature 45℃; ambient temperature 20℃. measuring uncertainty of power is within ±3%

Temperature Characteristics

Voltage Temperature Coefficient	-0.307%/K
Current Temperature Coefficient	+0.039%/K
Power Temperature Coefficient	-0.423%/K

Maximum Ratings

Maximum system voltage(V)	1000
Series fuse rating(A)	20

Mechanical Characteristics

Dimensions	1640×990×40mm(L×W×H)
Weight	19.1kg
Frame	Anodized aluminum profile
Front glass	White toughened safety glass, 3.2mm
Cell Encapsulation	EVA(Ethylene-Vinyl-Acetate)
Back Sheet	composite film
Cells	6×10 pieces monocrystalline solar cells series strings (156mm×156mm)
Junction Box	with 6 bypass diodes
Cable	length 900mm,1×4m ㎡

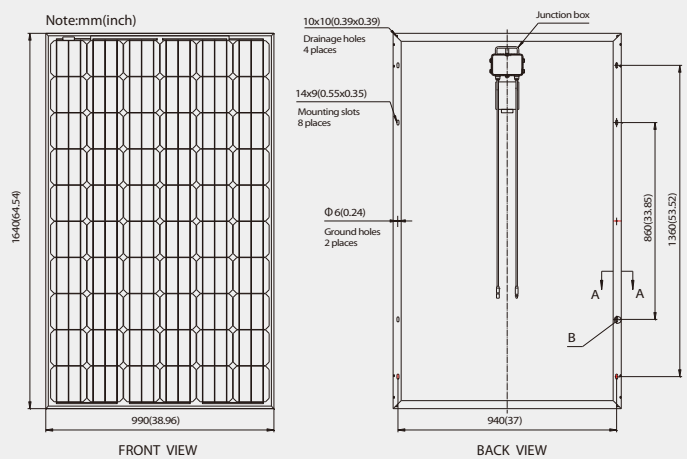
Packaging

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

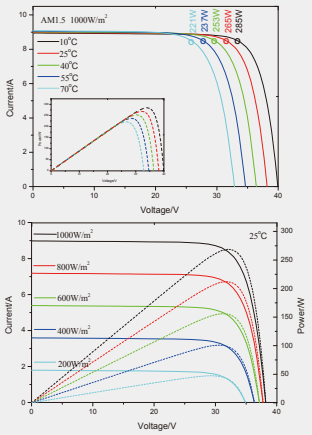
System Design

Temperature range	-40°C to+85°C
Hail	maximum diameter of 25mm with impact speed of 23m/s(51.2mph)
Maximum surface load capacity	7200Pa

Dimensions



IV-Curves



Excellent performance under weak light condition.