CSUN
energy for the future

Poly

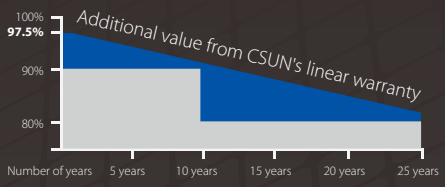
PowerGuard
SPECIALTY INSURANCE SERVICES

Powerguard insurance global coverage

Within the first year, the output power shall not be less than 97.5% of the minimum output power in CSUN's product datasheet, thereafter the loss of output power shall not exceed 0.7% per year, ending with 80.7% in the 25th year.

■ CSUN ■ Standard warranty

CSUN's **NEW** linear performance warranty



CSUN260-60P

Higher efficiency Poly Module: Waratah ™

WARATAH™

CSUN240-60P CSUN245-60P
CSUN250-60P CSUN255-60P
CSUN260-60P

16.01%
Module Efficiency

260W
Highest power output

10 year
Material & Workmanship warranty

25 year
Linear power output warranty

- Innovated cell and module processing technology
- Positive tolerance offer
- Unique structural design effectively decreases power loss during the course of usage
- Load certificates: wind to 2400 Pa and snow to 7200 Pa
- Coastal condition: certified for salt/ammonia corrosion resistance
- Excellent performance under low light conditions
- Good Temperature Coefficient enables higher output in high temperature regions

- 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.

WARATAH™ is the trade mark owned by CSUN. It's the brand name of polycrystalline solar module produced by CSUN.

All information and data are subject to change without notice.

D13328EN

www.chinasunergy.com

Electrical characteristics at Standard Test Conditions(STC)

Module type	Waratah260-60P	Waratah255-60P	Waratah250-60P	Waratah245-60P	Waratah240-60P
Pmpp(W)	260	255	250	245	240
Voc(V)	37.7	37.5	37.3	37.1	36.9
Isc(A)	8.95	8.88	8.81	8.74	8.67
Vmpp(V)	30.3	30.1	29.9	29.7	29.6
Impp(A)	8.58	8.47	8.36	8.25	8.11
Practical Module Efficiency	17.81%	17.46%	17.12%	16.78%	16.44%
Module efficiency	16.01%	15.71%	15.40%	15.09%	14.78%

Standard Test Conditions(STC): irradiance 1000W/ ㎡; AM 1.5; cell temperature 25 ℃. Measuring uncertainty of power is within ±3%. Tolerance of Pmpp:0~+3%. Certified in accordance with IEC61215,IEC61730-1/2 and UL1703.

Electrical Characteristics at Normal Operating Cell Temperature(NOCT)

Module type	Waratah260-60P	Waratah255-60P	Waratah250-60P	Waratah245-60P	Waratah240-60P
Maximum Power-Pmax	192	188	185	182	178
Maximum Power Voltage-Vmp(V)	34.9	34.7	34.5	34.3	33.9
Maximum Power Current-Impp(A)	7.20	7.15	7.10	7.05	7.00
Open Circuit Voltage(V)-Voc(V)	28.1	27.8	27.6	27.4	27.1
Short Circuit Current(A)-Isc(A)	6.82	6.76	6.7	6.64	6.57

Normal Operating Cell Temperature(NOCT):irradiance 800W/ ㎡;wind speed 1m/s; cell temperature 45 ℃;ambient temperature 20 ℃. Measuring uncertainty of power is within ±3%. Certified in accordance with IEC61215,IEC61730-1/2 and UL1703.

Temperature Characteristics

Voltage Temperature Coefficient	-0.292%/K
Current Temperature Coefficient	+0.045%/K
Power Temperature Coefficient	-0.408%/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 polycrystalline solar cells series strings (156mm×156mm)
Junction Box	with 6 bypass diodes
Cable	length 900mm,1×4mm²

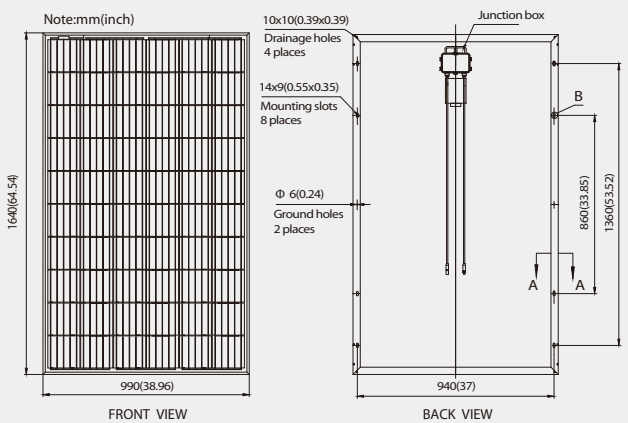
Packaging

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

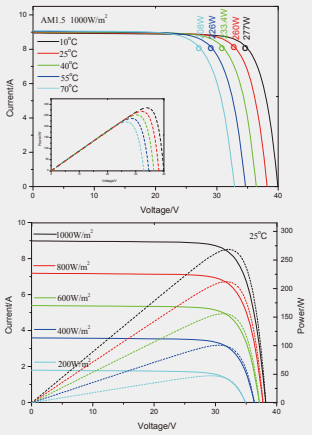
System Design

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.