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**Solar Panel Guide  
Specification Data Sheet**

**Matrix - Australian Solar  
CSUN 255-265-60P  
CSUN 255-60P**

Also available on the web at  
[EnergyPal.com/matrix-australian-solar-solar-panels/csun-255-60p](http://EnergyPal.com/matrix-australian-solar-solar-panels/csun-255-60p)



# MATRIX

AUSTRALIAN SOLAR

## TIER 1

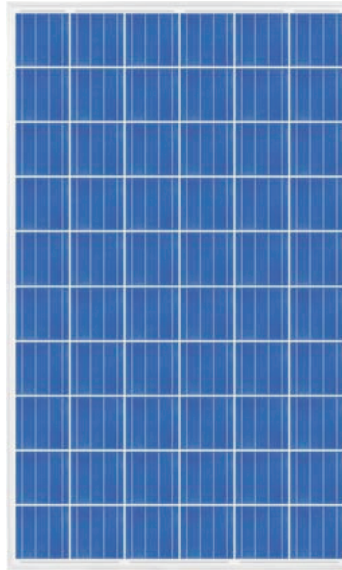
**BLOOMBERG**

Listed Tier 1 PV Supplier



**Powerguard insurance  
global coverage**

Within the first year, the output power shall not be less than 97.5% of the minimum output power in Matrix Australian Solar's product datasheet, thereafter the loss of output power shall not exceed 0.7% per year, ending with 80.7% in the 30th year.



## CSUN255-60P

**The Large Scale Project Solution**

CSUN255-60P CSUN260-60P CSUN265-60P



**16.01%**  
Module efficiency

**255 W**  
Highest power output

**12 years**  
Material & Workmanship warranty

**30 years**  
Linear power output warranty



PID-free



Innovated cell and module processing technology



positive tolerance offer



Good temperature coefficient enables higher output in high temperature regions



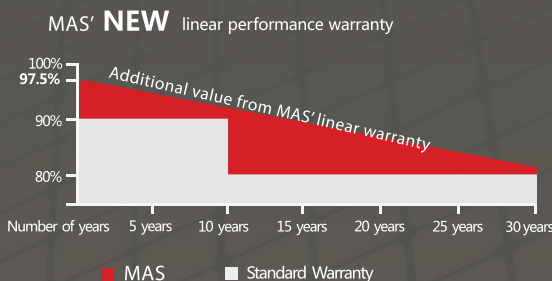
Excellent performance under low light conditions



Certified for salt/ammonia corrosion resistance



Load certificates: wind to 2400Pa and snow to 5400Pa



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- Matrix Australian Solar's international partner was established in 2004 and 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, MAS has delivered more than 2.4GW of solar products to residential, commercial, utility and off-grid projects all around the world.
- All specifications, warranties, certifications about module MAS series also apply to that of "SST"

All information and data are subject to change without notice.



MATRIXSOLAR.COM.AU

## Electrical Characteristics at Standard Test Conditions (STC)

Module Type	CSUN265-60P	CSUN260-60P	CSUN255-60P
Maximum Power-Pmax (W)	265	260	255
Open Circuit Voltage - Voc (V)	37.8	37.7	37.5
Short Circuit Current - Isc (A)	9.01	8.95	8.88
Maximum Power Voltage - Vmpp (V)	30.5	30.3	30.1
Maximum Power Current - Imp (A)	8.69	8.58	8.47
Module Efficiency	16.32%	16.01%	15.70%

Standard Test Conditions [STC]: irradiance 1,000 W/m<sup>2</sup>; AM 1.5G; module temperature 25°C. Measuring uncertainty of power is within ±3%. Tolerance of P<sub>mp</sub>: 0~+3%. Certified in accordance with IEC61215, IEC61730-1/2 and UL1703.

## Electrical Characteristics at Nominal Operating Cell Temperature (NOCT)

Module Type	CSUN265-60P	CSUN260-60P	CSUN255-60P
Maximum Power-Pmax (W)	195	192	188
Open Circuit Voltage - Voc (V)	35.1	34.9	34.6
Short Circuit Current - Isc (A)	7.24	7.20	7.16
Maximum Power Voltage - Vmpp (V)	28.3	28.1	28.0
Maximum Power Current - Imp (A)	6.89	6.82	6.72

Nominal Operating Module Temperature(NOCT): irradiance 800W/m<sup>2</sup>; wind speed 1m/s; ambient temperature 20°C. Measuring uncertainty of power is within ±3%, Certified in accordance with IEC61215, IEC61730-1/2 and UL1703.

## Temperature Characteristics

Voltage Temperature Coefficient	-0.292%/°C
Current Temperature Coefficient	+0.045%/°C
Power Temperature Coefficient	-0.408%/°C
NOCT	45±2°C

## Maximum Ratings

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

## Mechanical Characteristics

Dimensions	1640x990x35mm (LxWxH)
Weight	18.3kg
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 str
Junction Box	Rated current ≥13A, IP≥67, TUV&UL
Cable & Connector	Length 900mm, 1x4mm <sup>2</sup> , compatible with MC4

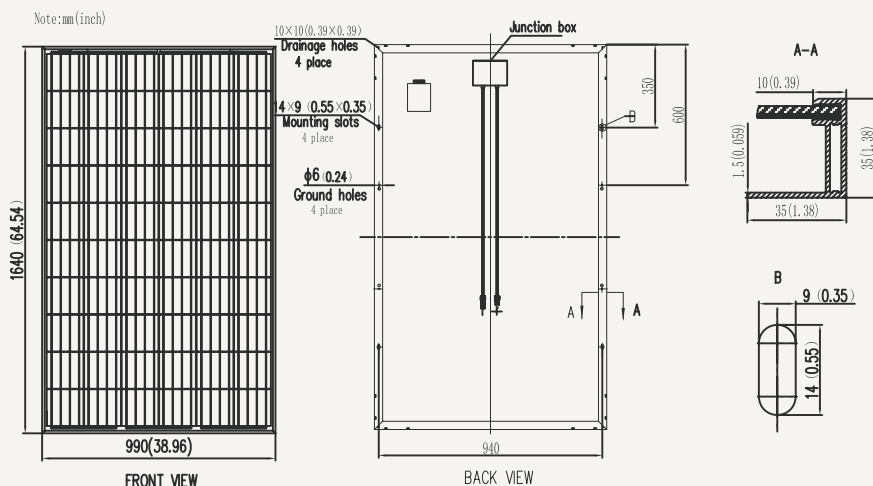
## Packaging

Dimensions (LxWxH)	1700x1140x1137mm
Container 20'	360
Container 40'	840
Container 40' HC	896

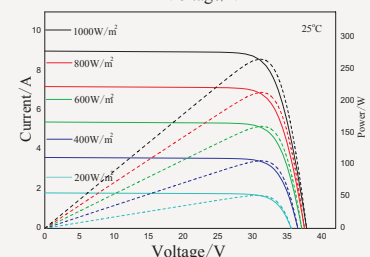
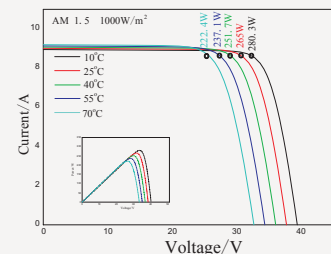
## System Design

Temperature range	-40°C to +85°C
Hail	maximum diameter of 25mm with impact speed of 23m/s
Maximum surfaceload	5400Pa
Application class	class A
Safety class	class II

## Dimensions



## IV-Curves



Excellent performance under weak light condition.

