



# MAX POWER SOLAR

MPS-415BB SOLAR MODULE

“Look how much  
Max Power Solar  
Panels are saving  
us on our bills”

Solar meets  
sophistication



SCAN ME!

The Australian Solar Brand  
For Tough Australian Conditions

[maxpowersolar.com.au](http://maxpowersolar.com.au)

## The Panel Without Equal

The MPS-415BB solar module is a high-tech, high quality product produced by Max Power Solar, which is part of a well-established Australian business with over 15-years' experience in the solar industry.

The powerful panel is built extra tough to thrive in harsh Aussie conditions. It features strengthened glass sheets on the front and back for extra strength and higher efficiency.

With low power degradation of 0.5% per year, the MPS-415BB will return higher efficiency power through the life span of the product. Our product has also been tested for salt mist, ammonia, and load of over 5000pa positive.

The stylish black frames combine with the dark cells, making the panel aesthetically pleasing and it is expertly crafted to complement contemporary Australian home design.

The panels are manufactured in a state-of-the-art facility using quality assured processes. Your Max Power Solar panels will serve you seamlessly and dependably for their full warranted performance period and beyond.



**30 Year Australian Product Warranty**



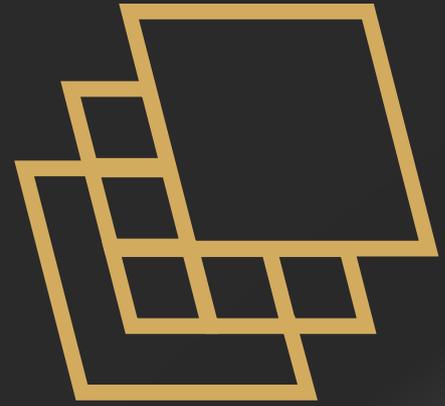
**30 Year Australian Performance Warranty**



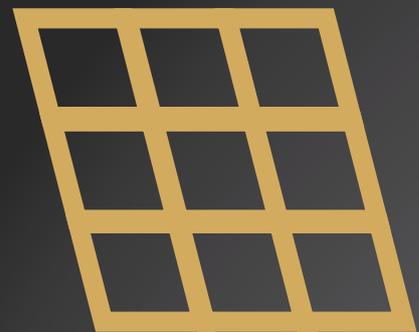
**Australian Owned**



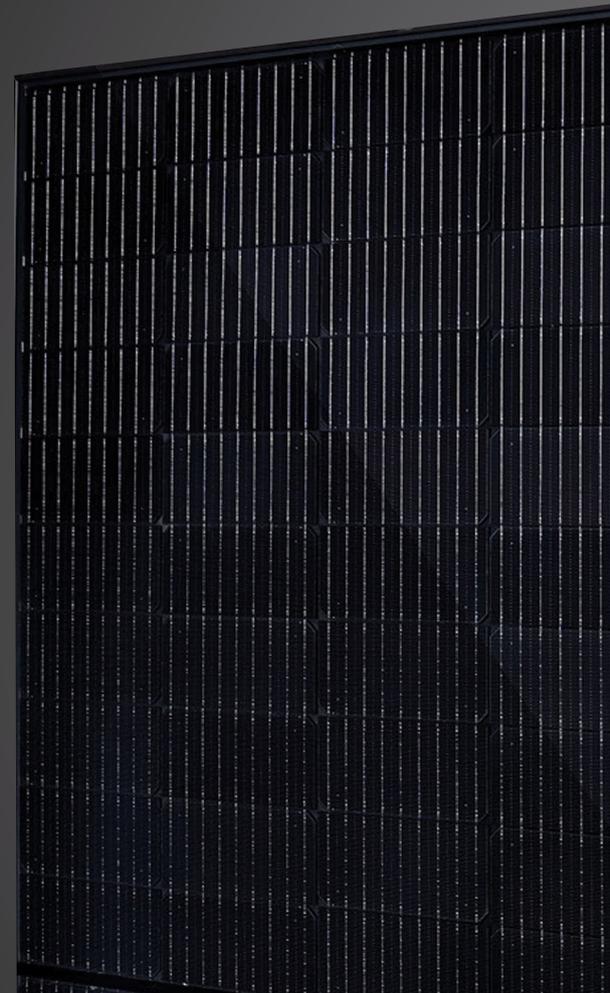
**415W Output & Impressive 21.25% Efficiency**

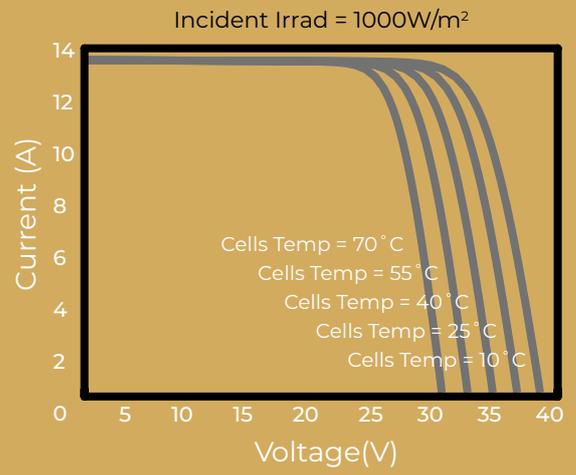
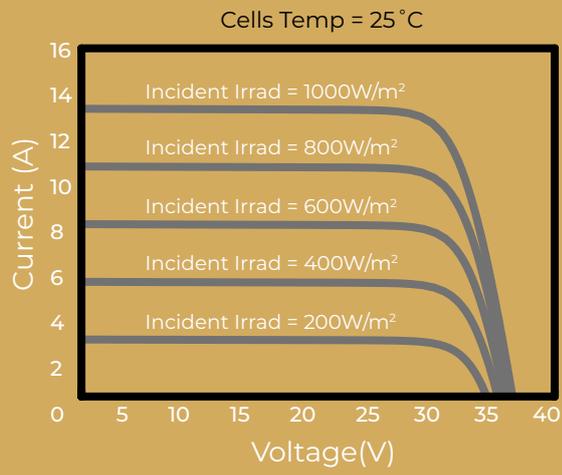


**Dual Glass for Increased Strength & Higher Efficiency**



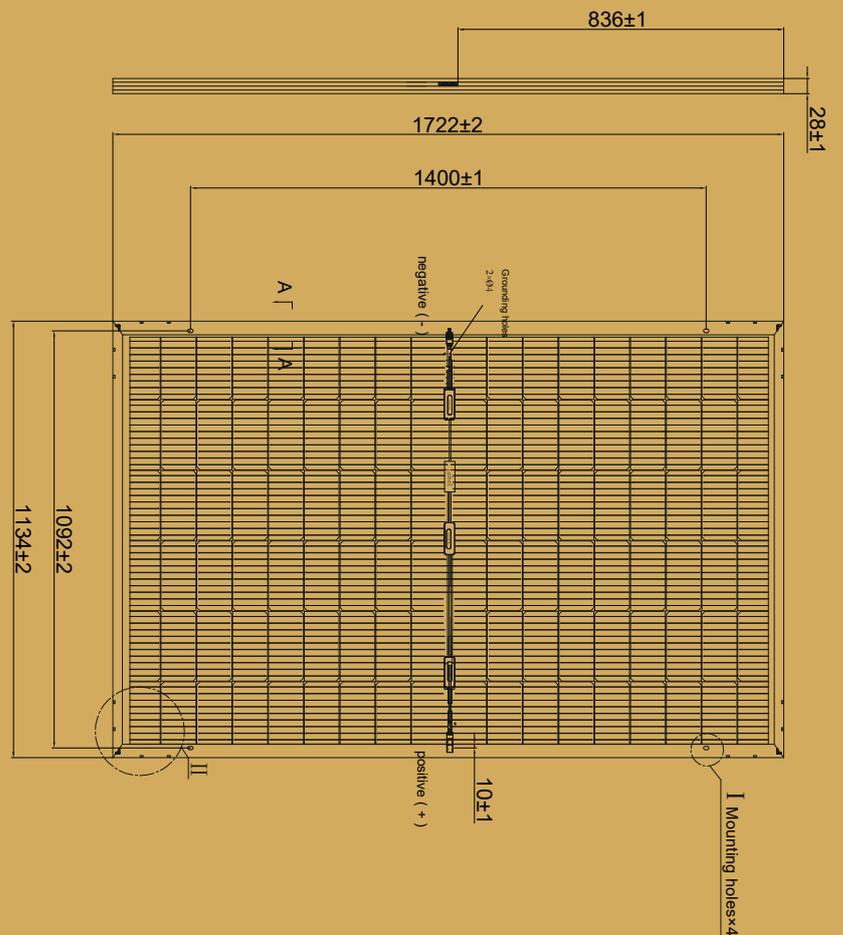
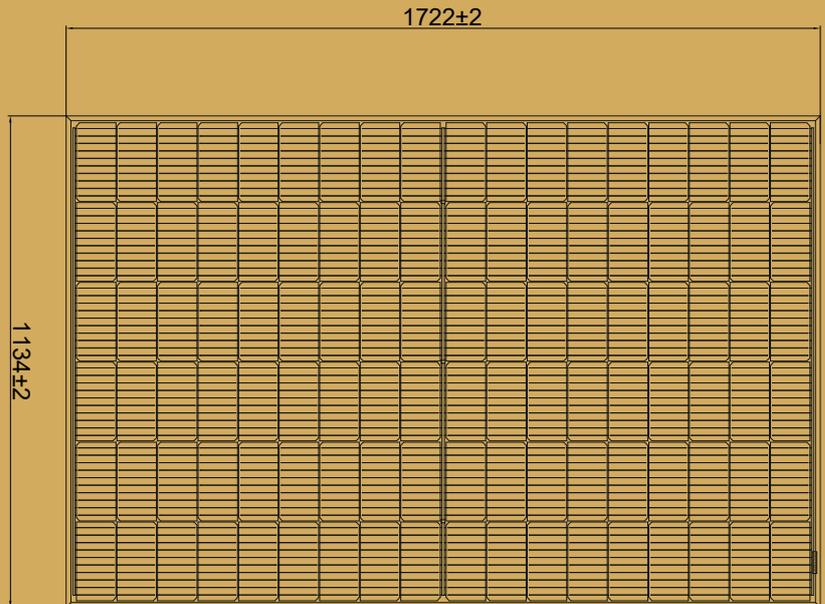
**Bifacial Mono PERC Black Cells**





## DIMENSIONS

MPS-415BB



# SPECIFICATIONS

## Electrical Characteristics (STC)

Model	MPS-415BB
Maximum Power (Pmax) W	415
Maximum power voltage (Vmpp) V	31.16
Maximum power current (Impp) A	13.32
Open circuit voltage (Voc) V	37.42
Short circuit current (Isc) A	13.9
Max system voltage V	1500
Max series fuse rating (A)	25
Module efficiency	21.25%
Power tolerance	0~ +5W
STC: Irradiance 1000 W/m <sup>2</sup> , Cell Temperature 25°C, AM1.5, Tolerance ±3%.	



Compliance with C E standards



Compliance with VDE standards

## Temperature Coefficient

Pmax	-0.34 %/°C
VOC	-0.26 %/°C
ISC	+0.05 %/°C
Operating temperature	-40 - +85°C
Nominal Operating Cell temperature (NOCT)	45°C(±2°C)
Temperature Coefficient of Pmax±0.03%/C	

## Electrical Characteristics (NOCT)

Maximum Power (Pmax) W	311
Maximum power voltage (Vmpp)	29.19
Maximum power current (Impp) A	10.66
Open circuit voltage (Voc)	34.90
Short circuit current (Isc) A	11.23
NOCT: Irradiance 800W/m <sup>2</sup> - wind 1m/s - Temperature 20°C	

## Components Specifications

Fire Class	A
Solar Cell	PERC Mono crystalline
Number of cells	108
Cell Size mm	182
Frame	Anodized aluminium
Junction box	IP68
Glass mm	1.6+1.6=3.2
Cable & connectors	1.2M X4mm / PV-LIQ-1

## Mechanical Data

Panel dimensions (mm)	1722 x 1134 x 28
Panel weight (Kg)	18.5
Panels per pallet	39

## Warranty

Product	30 Year
Performance	30 Year