

# MAXIMUS SPECIFICATIONS

440NBB



## MAXIMUS 440NBB The Solar Panel Without Equal

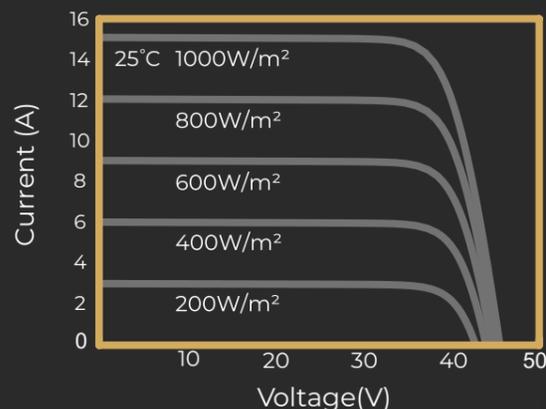
### Electrical Characteristics (STC)

MPS-440-NBB	Front -STC	Back -STC
Max. power ±3%	440W	352
Open Circuit Voltage ±3%	39.3V	39.28
Short-circuit current ±3%	14.15A	11.32
Max Power Voltage	32.70V	32.68
Max Power Current	13.47A	10.78
Module Efficiency	22.53	
Max System Voltage	1500V	
Series Fuse Rating	25A	

Drea Side Power Gain	10%	15%	20%	25%
Max Power W	473	495	516	538
Open circuit Voltage V	38.90	38.90	38.90	38.90
Short Circuit Current A	15.39	16.09	16.79	17.49
Max power Voltage V	32.30	32.30	32.30	32.30
Max power Current A	14.65	15.32	15.98	16.65

Current – Voltage characteristics at various irradiance levels



### Temperature Coefficient

Pmax	-0.29 %/°C
VOC	-0.25 %/°C
ISC	+0.046 %/°C
Operating temperature	-40 - +85°C
Nominal Operating Cell temperature (NOCT)	45°C(±2°C)
Temperature Coefficient of Pmax	±0.03%/C



Compliance with C E standards

### Electrical Characteristics (NOCT)

Maximum Power (Pmax) W	332
Maximum power voltage (Vmpp)	30.82
Maximum power current (Impp) A	10.77
Open circuit voltage (Voc)	37.34
Short circuit current (Isc) A	11.32
NOCT: Irradiance 800W/m² - wind 1m/s - Temperature	20°C
STC: Irradiance 1000 W/m², Cell Temperature 25 °C, AM1.5, Tolerance ±3%	



### Components Specifications

Fire Class	C
Solar Cell	TOPcon Mono Cells
Number of cells	108
Cell Size mm	182 x 91
Frame Type	Black Anodized Aluminium Alloy
Junction box	IP68 (3 diodes)
Connector Type	QC4 / Staubli MC4
Cable	4.0mm²,1100mm(+)/1100mm(-) or Customised Length

### Mechanical Data

Panel dimensions (mm)	1722 x 1134 x 30
Panel weight (Kg)	20.6

### Warranty

Product	30 Year
Performance	30 Year

Specifications subject to changes without notice.  
 Made in China, controlled by quality assured system.  
 Produced by Oz Power Products Pty Ltd t/a Max Power Solar  
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## The Panel Without Equal

The MPS-440NBB solar module is a high-tech, high quality product produced by Max Power Solar, which is part of a well-established Australian business in the solar industry since 2008.

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.

In low light conditions the superior N-Type cells in the module out produce the standard P-Type cells in other panels. This panel delivers increased power and more savings to you every day and is backed with industry best Australian warranties.

The stylish all black discreet design makes the panel aesthetically pleasing and expertly crafted to complement contemporary Australian home design.

Manufactured in a state-of-the-art Tier 1 facility using the latest technology and quality assured processes. Your Max Power Solar panels will serve you seamlessly and dependably for their full warranted performance period and beyond.



**Massive 440W Power**



**Advanced N-Type Cells**



**Double Glass Bifacial Technology**



**Impressive Efficiency**



**Hail & Corrosion Resistant**



**Aesthetically Pleasing**



**Australian Owned**

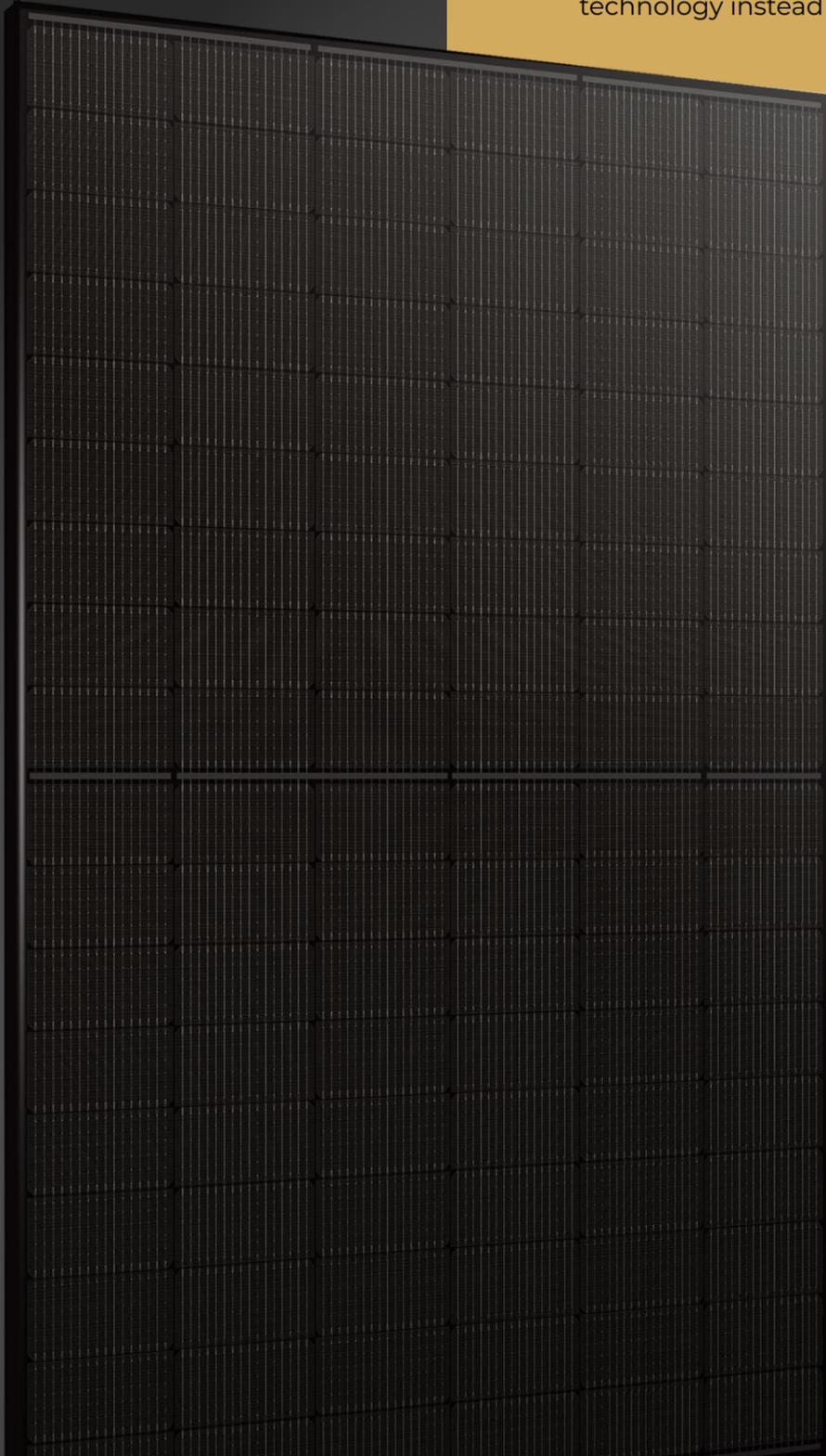


**30-Yr Aussie Warranty**



**Surprisingly Affordable**

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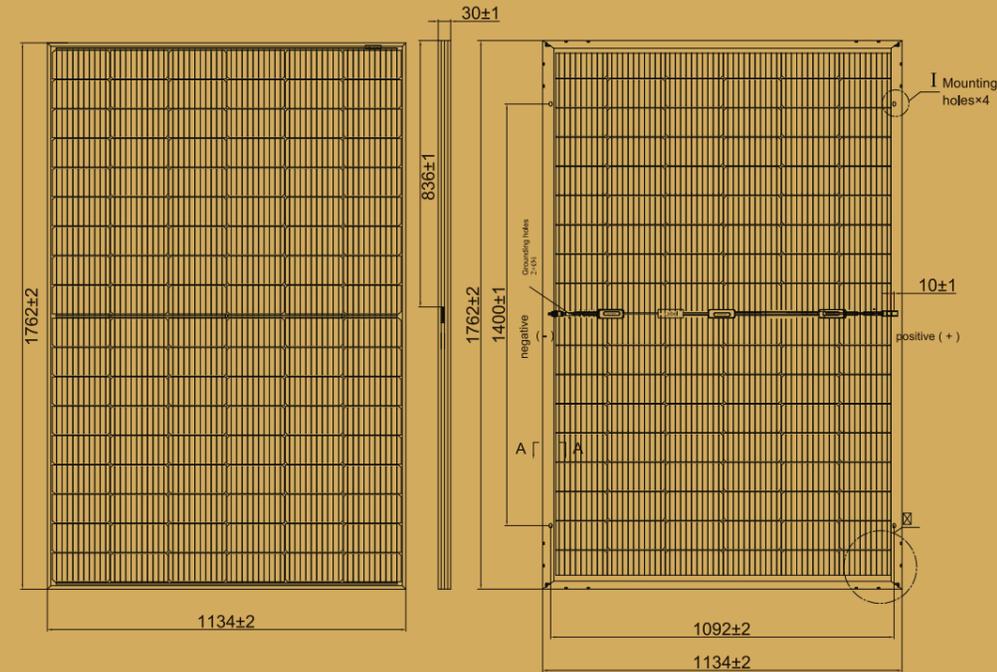
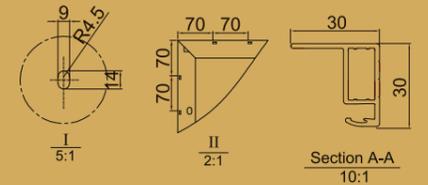


## KEY FEATURES

- Powerful 440W panel with N-Type cell technology
- Great appearance with all black finish for an aesthetically pleasing visual
- Built to last with double glass bifacial technology instead of plastic back sheet
- Outstanding life performance with minimum power degradation
- Impressive 22.53% module efficiency with small footprint
- Aussie owned with industry best local warranties

## DIMENSIONS

MPS-440NBB



## 30 YEAR LINEAR PERFORMANCE WARRANTY

