SOLAR POWER PANELS



SOLAHART SILHOUETTE®

N-TYPE BIFACIAL RESIDENTIAL PANELS

SOLAHART450BRB2





The new Solahart Silhouette® panel is our most advanced PV panel ever, featuring ultra-high performance, superior efficiency, and an impressive 30-year performance guarantee. With its signature all-black dual-glass bifacial design and innovative cell technology, it's the ideal solution for Australian homes.

This new model boosts panel efficiency to up to 22.5%, and with positive tolerance of up to 5W, guarantees that each Silhouette panel will have a rated maximum power on or above 450W at Standard Test Conditions.⁽¹⁾

The state-of-the-art n-type, monocrystalline half-cell and zero-busbar design offers excellent performance under Australian conditions, on hot summer days and even in low-light environments.

Dual-glass design enhances the safety with Class A Fire rating and is more resilient to micro-cracks. Overall, it makes the panels more reliable and long lasting.

The exceptional 30 year Performance Guarantee assures at least 89.4% of nominal power at 25 years and at least 87.4% at 30 years.

Every Solahart system is backed by a trusted Solahart Australia Warranty that offers the advantage of local on-the-ground support to deliver true peace of mind. With more than 70 years of solar experience and over 60 Dealerships across Australia, we're here for the long haul.

How you benefit:





Excellent low-light and temperature behaviour results in more energy production per square metre of panels.



HIGH PERFORMANCE

High efficiency (22%) and lower degradation for excellent performance and reliability.



DESIGNED FOR AUSTRALIA

Designed for Australia to perform in all conditions, from low-light environment to high temperatures.

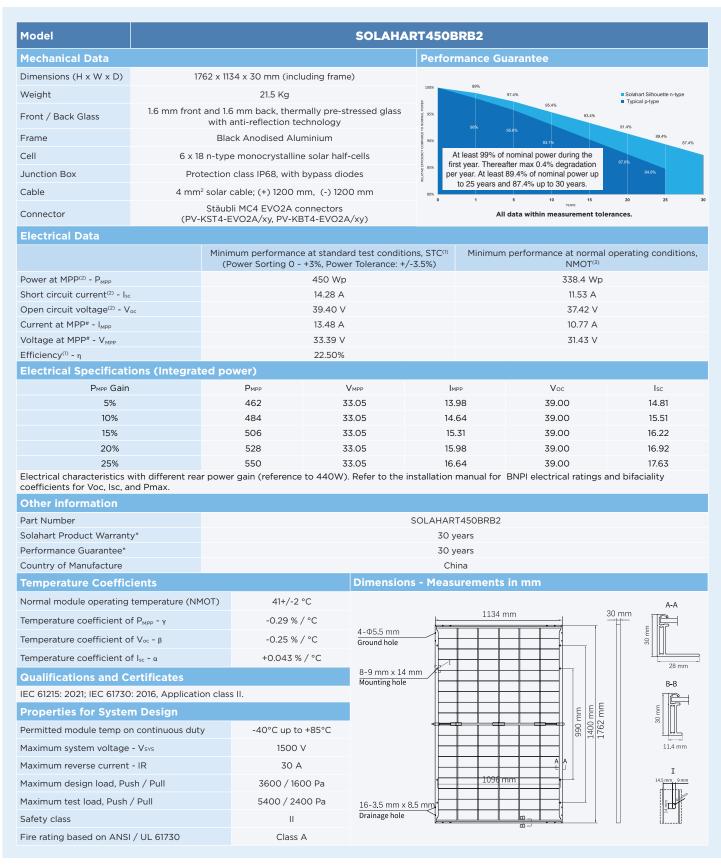


SOLAHART WARRANTY

30-Year Solahart Product Warranty for peace of mind, plus a 30-Year Performance Guarantee for long-term returns.*

TECHNICAL DATA





Specifications and designs included in this data sheet are subject to change without notice.

 $^{(0)}$ 1000 W/m2, 25±2 $^{\circ}$ C, AM 1.5 G. $^{(2)}$ Measurement tolerances P_{MPP} ±3.5 %; I_{SC} ±5 %, V_{OC} ±3.5 % at STC. $^{(3)}$ 800 W/m2, NMOT, spectrum AM 1.5 G. $^{\#}$ Typical values, actual values may different tolerances P_{MPP} ±3.5 %; I_{SC} ±5 %, I_{SC} ±5 %, I_{SC} ±5 %, I_{SC} ±5 % at STC. $^{(3)}$ 800 W/m2, NMOT, spectrum AM 1.5 G. $^{\#}$ Typical values, actual values may different tolerances P_{MPP} ±3.5 %; I_{SC} ±5 %, I_{SC} ±5 %, I_{SC} ±6 % at STC. $^{(3)}$ 800 W/m2, NMOT, spectrum AM 1.5 G. $^{\#}$ Typical values, actual values may different tolerances P_{MPP} ±3.5 %; I_{SC} ±5 %, I_{SC} ±6 %, I_{SC} ±6 % at STC. $^{(3)}$ 800 W/m2, NMOT, spectrum AM 1.5 G. $^{\#}$ Typical values, actual values may different tolerances P_{MPP} ±3.5 %; I_{SC} ±6 %, I_{SC} ±7 % at STC. $^{(3)}$ 800 W/m2, NMOT, spectrum AM 1.5 G. $^{\#}$ Typical values, actual values may different tolerances P_{MPP} ±3.5 %; I_{SC} ±6 %, I_{SC} ±7 % at STC.

^{* 30-}year Solahart Product Warranty covers certain defects with the Solahart Silhouette* panels. Please refer to the 'Solahart PV Systems Owner's Guide' for full details, available on Solahart's website www.solahart.com.au. 30-year Performance Guarantee is provided by the manufacturer of the Solahart Silhouette* panels and guarantees the maximum reduction in power output performance of the panels over a 30-year period. Neither the Solahart Product Warranty nor the Performance Guarantee are intended to exclude, restrict or modify your rights under the Australian Consumer Law.