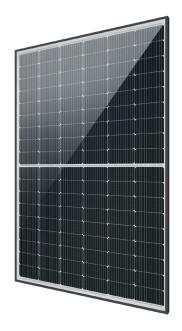
SOLAR POWER PANELS



SOLAHART SUNCELL®

N-TYPE RESIDENTIAL PANELS

SOLAHART440R1





The new high-performance Solahart SunCell® panel not only offers great value, but it's also custom-designed and built to Solahart's strict quality specifications.

With an attractive black frame design, this panel is easy to install and maintain, and is well suited to Australian roof designs. Solahart SunCell® also ticks all the boxes on durability, it has passed endurance testing of up to three times more cycles than the international standard, making it an ideal solution in Australia's harsh conditions.

The state-of-the-art n-type, monocrystalline half-cell and super multi-busbar design offers excellent performance under Australian conditions, on hot summer days, and even in low-light environments. The exceptional 30 year Performance Warranty 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:



Latest n-type technology and quality construction for excellent performance in Australian conditions.



Innovative half-cell technology with excellent power efficiency that results in more energy production per square metre.



HIGH PERFORMANCE

High energy produced per panel means you pay less for electricity generated.



VALUE FOR MONEY

Cost-effective panel solution for a high return on your investment.



SOLAHART WARRANTY

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

TECHNICAL DATA



ndard Test Conditions (STC) ⁽¹⁾ (Power Sorting: +/	440 W _I		
ndard Test Conditions (STC) ⁽¹⁾ (Power Sorting: +/	440 W _I		
	14.70 A	440 Wp	
	14.30 A		
	38.80 \		
	13.49 A		
	32.61 A		
	22.5%		
mal operating conditions, NMOT ⁽³⁾			
	330.9 Wp		
	11.54 A		
	36.85 V		
	10.78 A		
	30.67 V		
	SOLAHART440R1		
	25 years		
	30 years		
	·		
	Performance Guarantee		
21.3 Kg	100% 99% 97.4%	Solahart SunCell n-type	
3.2 mm	95.4%	■ Typical p-type	
White	AWON .	93.4%	
Black	AREC	89.4%	
6 x 18 monocrystalline solar half-cells	50 00	90.3%	
3	first year. Thereafter max 0.4% degradation		
Protection class IP68, with bypass diodes	per year. At least 89.4% of nominal power up to 25 years and 87.4% up to 30 years.	04.0.70	
4 mm² solar cable; (+) 1200 mm, (-) 1200 mm	80%	15 20 25	
Stäubli MC4 EVO2A connectors			
(PV-KST4 EVO2A & PV-KBT4 EVO2A)	/ 		
nts	Dimensions - Measurements in mm		
<i>4</i> 1+2°€	1134 mm	30 mm A-A	
	8-Ф5.5 mm		
-0.29%/°C	Ground hole		
-0.25%/°C	8-9 mm x 14 mm		
+0.043%/°C	Mounting hole	33 mm	
ificates			
IEC 61730: 2016, Application class II.		1722 mm	
Design Property of the Control of th		1772 I	
1500 V		19.5 mm 9 mm	
25 A	1086 mm		
3600 / 1600 Pa			
	16-3.5 mm x 8.5 mm	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	White Black 6 x 18 monocrystalline solar half-cells 3 Protection class IP68, with bypass diodes 4 mm² solar cable; (+) 1200 mm, (-) 1200 mm Stäubli MC4 EVO2A connectors (PV-KST4 EVO2A & PV-KBT4 EVO2A) Its 41±2°C -0.29%/°C -0.25%/°C +0.043%/°C ificates IEC 61730: 2016, Application class II. Design 1500 V 25 A	330.9 W 11.54 A 36.85 V 10.78 A 30.67 V SOLAHART- 25 year 30 year China Performance Guarantee 1722 x 1134 x 30 mm (including frame) 21.3 Kg 3.2 mm White Black 6 x 18 monocrystalline solar half-cells 3 Protection class IP68, with bypass diodes 4 mm² solar cable; (+) 1200 mm, (-) 1200 mm Stäubli MC4 EVO2A connectors (PV-KST4 EVO2A & PV-KBT4 EVO2A) ts Dimensions - Measurements in mm 8-05.5 mm Ground hole 8-9 mm x 14 mm Mounting hole ificates EC 61730: 2016, Application class II. Design 1500 V 25 A 3600 / 1600 Pa 5400 / 2400 Pa 16-3.5 mm x 8.5 mm	

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

 $^{(1)}1000 \text{ W/m}^2, 25\pm2^{\circ}\text{C, AM 1.5 G.} \\ ^{(2)}\text{Measurement tolerances P_{MPP}} \pm 3 \text{ %; Isc, Voc} \pm 5 \text{ % at STC.} \\ ^{(3)}800 \text{ W/m}^2, \text{NMOT, spectrum AM 1.5 G.} \\ ^{(2)}\text{Measurement tolerances P_{MPP}} \pm 3 \text{ %; Isc, Voc} \pm 5 \text{ % at STC.} \\ ^{(3)}800 \text{ W/m}^2, \text{NMOT, spectrum AM 1.5 G.} \\ ^{(2)}\text{Measurement tolerances P_{MPP}} \pm 3 \text{ %; Isc, Voc} \pm 5 \text{ % at STC.} \\ ^{(3)}\text{NMOT, spectrum AM 1.5 G.} \\ ^{(2)}\text{Measurement tolerances P_{MPP}} \pm 3 \text{ %; Isc, Voc} \pm 5 \text{ % at STC.} \\ ^{(3)}\text{NMOT, spectrum AM 1.5 G.} \\ ^{(3)}\text{Measurement tolerances P_{MPP}} \pm 3 \text{ %; Isc, Voc} \pm 5 \text{ % at STC.} \\ ^{(3)}\text{NMOT, spectrum AM 1.5 G.} \\ ^{(4)}\text{Measurement tolerances P_{MPP}} \pm 3 \text{ %; Isc, Voc} \pm 5 \text{ % at STC.} \\ ^{(3)}\text{NMOT, spectrum AM 1.5 G.} \\ ^{(4)}\text{Measurement tolerances P_{MPP}} \pm 3 \text{ %; Isc, Voc} \pm 5 \text{ % at STC.} \\ ^{(3)}\text{NMOT, spectrum AM 1.5 G.} \\ ^{(4)}\text{Measurement tolerances P_{MPP}} \pm 3 \text{ %; Isc, Voc} \pm 5 \text{ % at STC.} \\ ^{(5)}\text{Measurement tolerances P_{MPP}} \pm 3 \text{ %; Isc, Voc} \pm 5 \text{ % at STC.} \\ ^{(5)}\text{NMOT, spectrum AM 1.5 G.} \\ ^{(5)}\text{Measurement tolerances P_{MPP}} \pm 3 \text{ %; Isc, Voc} \pm 5 \text{ % at STC.} \\ ^{(5)}\text{Measurement tolerances P_{MPP}} \pm 3 \text{ %; Isc, Voc} \pm 5 \text{ % at STC.} \\ ^{(5)}\text{Measurement tolerances P_{MPP}} \pm 3 \text{ %; Isc, Voc} \pm 5 \text{ % at STC.} \\ ^{(5)}\text{Measurement tolerances P_{MPP}} \pm 3 \text{ %; Isc, Voc} \pm 5 \text{ % at STC.} \\ ^{(5)}\text{Measurement tolerances P_{MPP}} \pm 3 \text{ %; Isc, Voc} \pm 5 \text{ % at STC.} \\ ^{(5)}\text{Measurement tolerances P_{MPP}} \pm 3 \text{ %; Isc, Voc} \pm 5 \text{ % at STC.} \\ ^{(5)}\text{Measurement tolerances P_{MPP}} \pm 3 \text{ %; Isc, Voc} \pm 5 \text{ % at STC.} \\ ^{(5)}\text{Measurement tolerances P_{MPP}} \pm 3 \text{ %; Isc, Voc} \pm 5 \text{ % at STC.} \\ ^{(5)}\text{Measurement tolerances P_{MPP}} \pm 3 \text{ %; Isc, Voc} \pm 5 \text{ % at STC.} \\ ^{(5)}\text{Measurement tolerances P_{MPP}} \pm 3 \text{ %; Isc, Voc} \pm 5 \text{ % at STC.} \\ ^{(5)}\text{Measurement tolerances P_{MPP}} \pm 3 \text{ %; Isc, Voc} \pm 5 \text{ %; Isc, Voc} \pm 5 \text{ %; Isc, Voc} \pm 5 \text{ %; Isc, Vo$

^{* 25-}year Solahart Product Warranty covers certain defects with the Solahart SunCell* solar 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 SunCell* solar 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.