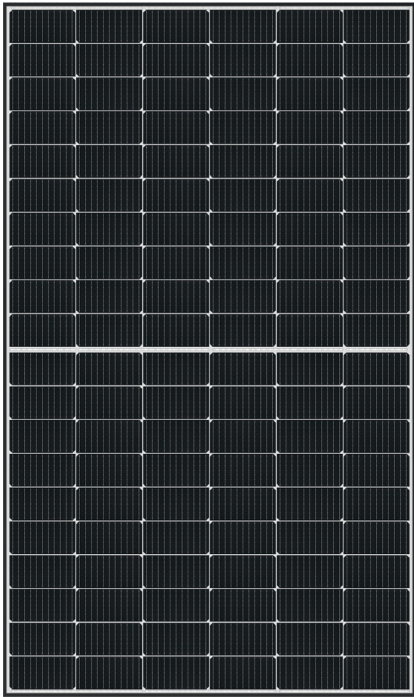


## SUNCELL PLUS

### N-TYPE COMMERCIAL SOLAR PANELS

SOLAHART480DH2



## How you benefit:



### RELIABLE DESIGN

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



### SAFE AND DURABLE

Dual-glass design enhances fire rating and is more resilient to micro-cracks for high durability.



### 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

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

The new high-performance n-type dual-glass Solahart SunCell-Plus panel is not only great value but it's also custom-designed and built to Solahart's strict quality specifications. Offering positive tolerance of up to 5W ensures that each SunCell-Plus panel will have a rated maximum power on or above 480W at Standard Test Conditions (STC)<sup>(1)</sup>.

With a high-efficiency rating of 22.2%, proven durability, an attractive black frame and an easy-to-install design, Solahart SunCell-Plus is the ideal solution for both commercial and residential applications.

SunCell-Plus comes with industry leading 30 Year Product Warranty and 30 Year Performance Guarantee. Performance Guarantee assures at least 89.4% of nominal power at 25 years and 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.

Model		SOLAHART480DH2	
<b>Electrical Data</b>			
Minimum performance at standard test conditions, STC <sup>(1)</sup> (Power Sorting 0 - +3%, Power Tolerance: +/-3.5%)			
Power at MPP <sup>(2)</sup> - P <sub>MPP</sub>		480 Wp	
Short circuit current - I <sub>sc</sub>		13.91 A	
Open circuit voltage - V <sub>oc</sub>		43.46 V	
Current at MPP - I <sub>MPP</sub>		13.14 A	
Voltage at MPP - V <sub>MPP</sub>		36.52 V	
Efficiency <sup>(1)</sup> - η		22.20%	
Minimum performance at normal operating conditions, NMOT <sup>(3)</sup>			
Power at MPP - P <sub>MPP</sub>		361 Wp	
Short circuit current - I <sub>sc</sub>		11.23 A	
Open circuit voltage - V <sub>oc</sub>		41.28 V	
Current at MPP - I <sub>MPP</sub>		10.50 A	
Voltage at MPP - V <sub>MPP</sub>		34.37 V	
<b>Other Information</b>			
Part Number		SOLAHART480DH2	
Solahart Product Warranty*		30 years	
Performance Guarantee*		30 years	
Country of Manufacture		China	
<b>Mechanical Data</b>		<b>Performance Guarantee</b>	
Dimensions (H x W x D)	1908 x 1134 x 30 mm (including frame)		
Weight	23 Kg		
Glass thickness	1.6 mm front and 1.6 mm back		
Backsheet	White		
Frame	Black Anodised Aluminium		
Cell	6 x 20 n-type monocrystalline solar half-cells		
Number of diodes	3		
Junction box	Protection class IP68, with bypass diodes		
Cable	4 mm <sup>2</sup> solar cable; (+) 1300 mm, (-) 1300 mm		
Connector	Stäubli MC4 EVO2 connectors (PV-KST4-EVO2A/xy, PV-KBT4-EVO2A/xy)		
<b>Temperature Coefficients</b>		<b>Dimensions - Measurements in mm</b>	
Normal module operating temp (NMOT)	41±2°C		
Temp coefficient of P <sub>MPP</sub> - γ	-0.29%/°C		
Temp coefficient of V <sub>oc</sub> - β	-0.25%/°C		
Temp coefficient of I <sub>sc</sub> - α	+0.043%/°C		
<b>Qualifications and Certificates</b>			
IEC 61215: 2021; IEC 61730: 2016, Application class II.			
<b>Properties for System Design</b>			
Max system voltage - V <sub>sys</sub>	1500 V		
Max reverse current - I <sub>r</sub>	25 A		
Max design load, Push/Pull	3600 / 1600 Pa		
Max test load, Push/Pull	5400 / 2400 Pa		
Fire rating based on IEC/UL	Class A		
<p><b>All data within measurement tolerances.</b></p>			

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

<sup>(1)</sup>1000 W/m<sup>2</sup>, 25±2°C, AM 1.5 G. <sup>(2)</sup>Measurement tolerances P<sub>MPP</sub> ±3.5 %; I<sub>sc</sub> ±5 %, V<sub>oc</sub> ±3.5 % at STC. <sup>(3)</sup>800 W/m<sup>2</sup>, NMOT, spectrum AM 1.5 G. \* Typical values, actual values may differ.

\*30-year Solahart Product Warranty covers certain defects with the Solahart SunCell Plus solar panels. Please refer to the 'Solahart PV Systems Owner's Guide' for full details, available on Solahart's website [www.solahart.com.au](http://www.solahart.com.au). 30-year Performance Guarantee is provided by the manufacturer of the Solahart SunCell Plus 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.