

SOLAHART SUNCELL-PLUS Commercial Solar Panel

SOLAHART420C1

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

With a high efficiency of 20.8%, proven durability and easy-to-handle design, Solahart SunCell-Plus is the ideal solution for commercial installations.

Reliable silicone connections also ensure excellent stability and durability. Other features include genuine Stäubli MC4 EVO2 connectors to secure a reliable connection and a sealed junction box that offers corrosion protection and water resistance.

The 12-Year Solahart Product Warranty provides ultimate confidence and peace of mind.

State-of-the-art half-cell technology:

For excellent performance under real conditions.

High efficiency:

Optimal yields, more power generated per square metre.

Low electricity generation costs:

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

Efficient, and durable:

Manufactured to specification and only available through Solahart.



HIGH EFFICIENCY PANEL TECHNOLOGY OFFERING THE BEST VALUE FOR MONEY

HEE

HOW YOU BENEFIT



HIGH SOLAR YIELD

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



SAFE OPERATION

Quality components ensure safety and long term performance.



Cost-effective panel solution for a high return

on your investment.

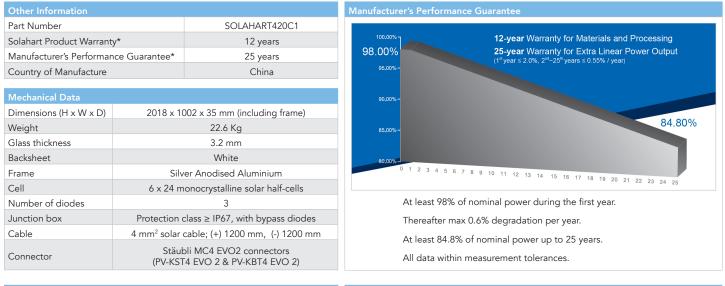


12-Year Solahart Product Warranty for peace of mind, plus, 25-Year Manufacturer's Performance Guarantee.*

Technical Data

MODEL	SOLAHART420C1	
Electrical Data		
Minimum performance at standard test conditions, STC ⁽¹⁾ (Power	Tolerance +5 W / -0 W)	
Power at MPP ⁽²⁾ - PMPP	420 Wp	
Short circuit current - Isc	10.52 A	
Open circuit voltage - Voc	50.32 V	
Current at MPP - IMPP	9.92 A	
Voltage at MPP - VMPP	42.35 V	
Efficiency ⁽¹⁾ - η	20.8%	
Minimum performance at normal operating conditions, NMOT ⁽³⁾		
Power at MPP - PMPP	312.2 Wp	
Short circuit current - Isc	8.48 A	
Open circuit voltage - Voc	47.12 V	
Current at MPP - IMPP	7.94 A	
Voltage at MPP - VMPP	39.31 V	

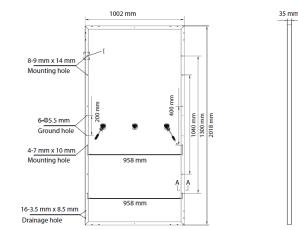
 $^{(2)}\text{Measurement tolerances }\pm3$ % at STC. $^{(3)}\text{800}$ W/m², 20°C, Wind speed 1m/s, AM 1.5 G



Temperature Coefficients	
Normal module operating temperature (NMOT)	44±2°C
Temperature coefficient of PMPP - Y	-0.35%/°C
Temperature coefficient of V _{oc} - β	-0.28%/°C
Temperature coefficient of I_{sc} - α	+0.04%/°C
•	

1500 V 20 A
20 A
3600 / 1600 Pa
5400 / 2400 Pa
II

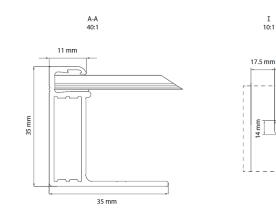
IEC 61215: 2016; IEC 61730: 2016, Application class II.



Licence Holder and Importer:

Solahart Industries Pty Ltd., 1 Alan St. Rydalmere, NSW 2116, Australia. *For full details see Solahart Owner's Guide & Installation Instructions.

Specifications and designs included in this data sheet are subject to change without notice. Solahart Australia 1300 769 475 | www.solahart.com.au Reorder code: SHDS/PV_SH420_SUNCP IH0113_SOLAHART SUNCELL PLUS SOLAR PANEL_420W_Dec 2020





9 mm