

SOLAHART SUNCELL-PLUS COMMERCIAL SOLAR PANEL

SOLAHART450C1

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 20.7%, 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.



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.



VALUE FOR MONEY

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



TRUSTED WARRANTIES

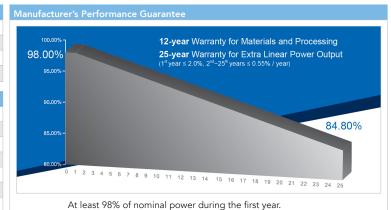
12-Year Solahart Product Warranty for peace of mind, plus, 25-Year Manufacturer's Performance Guarantee.*

Technical Data

SOLAHART450C1				
Electrical Data				
Minimum performance at standard test conditions, STC ⁽¹⁾ (Power Tolerance +5 W / -0 W)				
450 Wp				
11.37 A				
49.05 V				
10.89 A				
41.32 V				
20.7%				
Minimum performance at normal operating conditions, NMOT ⁽³⁾				
334.5 Wp				
9.16 A				
45.94 V				
8.72 A				
38.37 V				

Other Information	
Part Number	SOLAHART450C1
Solahart Product Warranty*	12 years
Manufacturer's Performance Guarantee*	25 years
Country of Manufacture	China

Mechanical Data	
Dimensions (H x W x D)	2094 x 1038 x 35 mm (including frame)
Weight	23.5 Kg
Glass thickness	3.2 mm
Backsheet	White
Frame	Silver Anodised Aluminium
Cell	6 x 24 monocrystalline solar half-cells
Number of diodes	3
Junction box	Protection class IP68, with bypass diodes
Cable	4 mm² solar cable; (+) 1300 mm, (-) 1300 mm
Connector	Stäubli MC4 EVO2 connectors (PV-KST4 EVO 2 & PV-KBT4 EVO 2)



Thereafter max 0.6% degradation per year.

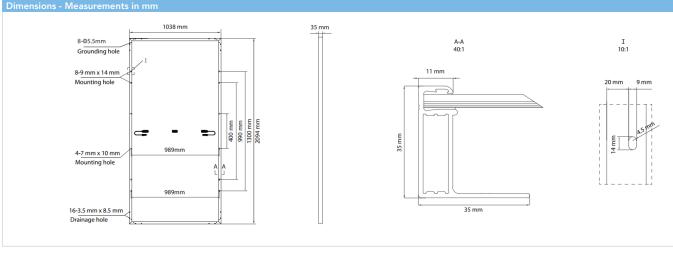
At least 84.8% of nominal power up to 25 years.

All data within measurement tolerances.

Temperature Coefficients	
Normal module operating temperature (NMOT)	41±2°C
Temperature coefficient of PMPP - γ	-0.35%/°C
Temperature coefficient of V _{oc} - β	-0.28%/°C
Temperature coefficient of l_{sc} - α	+0.035%/°C

Properties for System Design	
Maximum system voltage - Vsys	1500 V
Maximum reverse current - IR	20 A
Maximum design load, Push / Pull	3600 / 1600 Pa
Maximum test load, Push / Pull	5400 / 2400 Pa
Fire rating based on IEC / UL	Class C / TYPE 4

Qualifications and Certificates
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.

