



CW PRODUCTS
SHUTTER AND AUTOMATION SOLUTIONS

Awning & Blind Motorisation

UPGRADED SolarSmart™ Plus Automation

A Greener And Smarter Way To Automate Awnings!



SolarSmart™ Plus is an all-in-one, fully integrated solar automation system that incorporates a 4.2W solar panel, battery, control board and receiver. SolarSmart™ Plus is a greener and smarter way to automate awnings. It is the most advanced technology in solar powered awning automation in Australia. Independent of mains power and with no hard wiring, SolarSmart™ Plus harnesses the sun's energy through solar cells (ideally positioned on the roof facing north, and in direct sunlight), which charges a concealed battery system that in turn powers a DC motor for automation. The SolarSmart™ Plus system is controlled via a specialised wireless remote control transmitter.

SolarSmart™ Plus offers an easier, more cost effective, environmental and efficient way to operate awnings and blinds, and is a much easier way to install motorised awnings.

Technical Specifications

Minimum Width	700mm
Maximum Motor Torque	35Nm
Solar Panel/Unit Size	475mm x 95mm x 52mm
Solar Panel	4.2W 273mA 15V
Battery	12V DC NiMH Rechargeable 2600mA
Power Supply	12V
Radio Remote Frequency	433.4Mhz
Radio Remote Range	200m in free field



Suitable Applications

- Domestic & Commercial Windows.
- Domestic & Commercial Doorways/Enclosures.
- Commercial Shop Fronts.

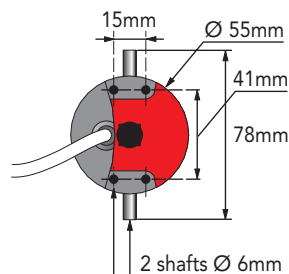
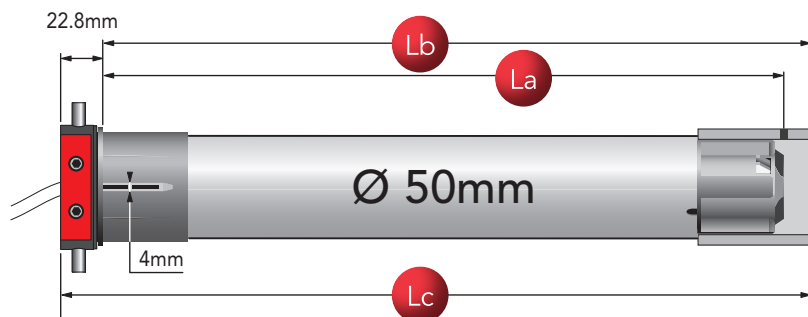
Features

- Completely solar powered.
- Complete all-in-one fully integrated design.
- Green energy & environmentally friendly.
- Saves money on energy costs.
- No 240V hard wiring.
- Easy & quick to install.
- No need for electricians.
- Sleek & modern design.
- Quick clip mounting design.
- Remote control operated.
- Smooth electronic operation.
- Compatible with Sensi-Fire™ Wireless.
- 5 year Guarantee on motor.
- 1 year Guarantee on solar panel, battery & electronics.
- Designed in Australia.

* Warning: Not compatible with wind sensors. Not suitable for high wind applications where a wind sensor may be required.

General Note: All dimensions and colours are indicative only and may change without notice. Technical specifications and awning/blind performance may vary in certain applications. For more information please contact your CW Products representative.

SolarSmart™ Plus SIMU T5 DC Motor Dimensions



4 Ø 4.5 x 12mm holes for M5 Taptite screws

Torque	La	Lb	Lc
14Nm	583mm	596mm	619mm
20Nm	585mm	598mm	621mm
35Nm	585mm	598mm	621mm

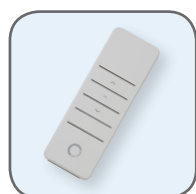
La : Length between the end and the drilling point of the tube

Lb : Adapted motor size in the tube

Lc : Total motor length

Two Remote Control Options

Transmitters are powered by a 3 Volt Lithium button battery.



1 Channel
Transmitter



6 Channel
Transmitter

SolarSmart™ Plus Motor Extension Cables

Extension cables are available for SolarSmart™ Plus Units positioned away from the awning/blind eg. Roof Mounted.



Three Solar Panel Unit Position Options

The SolarSmart™ Plus Unit is best positioned on the roof (facing north and in direct sunlight) for optimum performance. The solar panels are a Monocrystalline type with excellent power output even in cloudy conditions. SolarSmart™ Plus Units (incl solar panels) are supplied with two brackets. All wires must be protected from UV radiation and weather with all drill holes well sealed. The SolarSmart™ Plus Unit may require future maintenance and/or replacement. This should be considered in difficult to reach applications like on the second storey of a building.



Roof Mounted
Unit



Unit to Pelmet*



Unit to Wall*

* SolarSmart Plus units are only to be positioned on or above the awning/blind if in direct sunlight and facing north, with a minimum of half a day of sunlight in both Summer and Winter. Otherwise for optimum performance, SolarSmart Plus units should be positioned on the roof in direct sunlight and facing north where possible. If not enough direct sunlight, you may need to move the SolarSmart Plus unit to a north facing or ideal position, with available extension cables.

SolarSmart™ Plus Kits (Fabric Tensioning)

For Straight Drop Awnings With Side Retention System, Straight Drop/Strap/Clip/Lock Awnings & Folding Arm Cassette Awnings

Description	Product Code	
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SolarSmart™ Plus Fabric Tensioning SIMU T5 DC 14Nm Kit

Includes 14Nm Motor,
SolarSmart™ Plus Unit,
2 x Mounting Brackets,
1 x Splicing Connector,
1 x Tube Adaptor Set &
Motor Bracket

30-950-510



* Select suitable tube adaptor set and motor bracket from pages 39-41.
* Select suitable 1 channel or 6 channel remote control from page 13.

SolarSmart™ Plus Fabric Tensioning SIMU T5 DC 20Nm Kit

Includes 20Nm Motor,
SolarSmart™ Plus Unit,
2 x Mounting Brackets,
1 x Splicing Connector,
1 x Tube Adaptor Set &
Motor Bracket

30-950-511



* Select suitable tube adaptor set and motor bracket from pages 39-41.
* Select suitable 1 channel or 6 channel remote control from page 13.

SolarSmart™ Plus Fabric Tensioning SIMU T5 DC 35Nm Kit

Includes 35Nm Motor,
SolarSmart™ Plus Unit,
2 x Mounting Brackets,
1 x Splicing Connector,
1 x Tube Adaptor Set &
Motor Bracket

30-950-512




* Select suitable tube adaptor set and motor bracket from pages 39-41.
* Select suitable 1 channel or 6 channel remote control from page 13.



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SolarSmart™ Plus Additional Components & Accessories

Description	Product Code	
SolarSmart™ Plus Unit		
Standard	41-500-500	
Fabric Tensioning	41-500-501	
* 2 mounting brackets supplied with each unit		
SolarSmart™ Plus SIMU Motors		
T5 DC 14Nm (50mm), 15rpm 12V	30-999-122	
T5 DC 20Nm (50mm), 12rpm 12V	30-999-121	
T5 DC 35Nm (50mm), 7rpm 12V	30-999-130	
* Select suitable tube adaptor set and motor bracket from pages 39-41.		
SolarSmart™ Plus Remote Controls (Including Cradle)		
Optima 1 Channel Transmitter	41-600-001	
Optima 6 Channel Transmitter	41-600-006	
SolarSmart™ Plus Motor Extension Cables		
5 Metre	41-500-150	
10 Metre	41-500-151	
SolarSmart™ Plus Installers Kit For Side Retention Blinds		
Includes 18V Power Supply/Trickle Charger, Battery Pack & Switch	41-500-110	