



SolarSmart™ Plus Roller Shutter Automation

A Greener And Smarter Way To Automate Roller Shutters!



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 roller shutters. It is the most advanced technology in solar powered roller shutter 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 roller shutters, and is a much easier way to install motorised roller shutters.

Technical Specifications

| | |
|------------------------|--|
| Maximum Surface Area | 12m ² roll formed profile 7.5m ² extruded profile |
| Minimum Shutter Width | 500mm |
| Maximum Shutter Weight | 50kg |
| Maximum Axle Diameter | Octagonal 70mm |
| Solar Panel/Unit Size | 475mm x 95mm x 50mm |
| 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.
- Commercial Shop Fronts.

Features

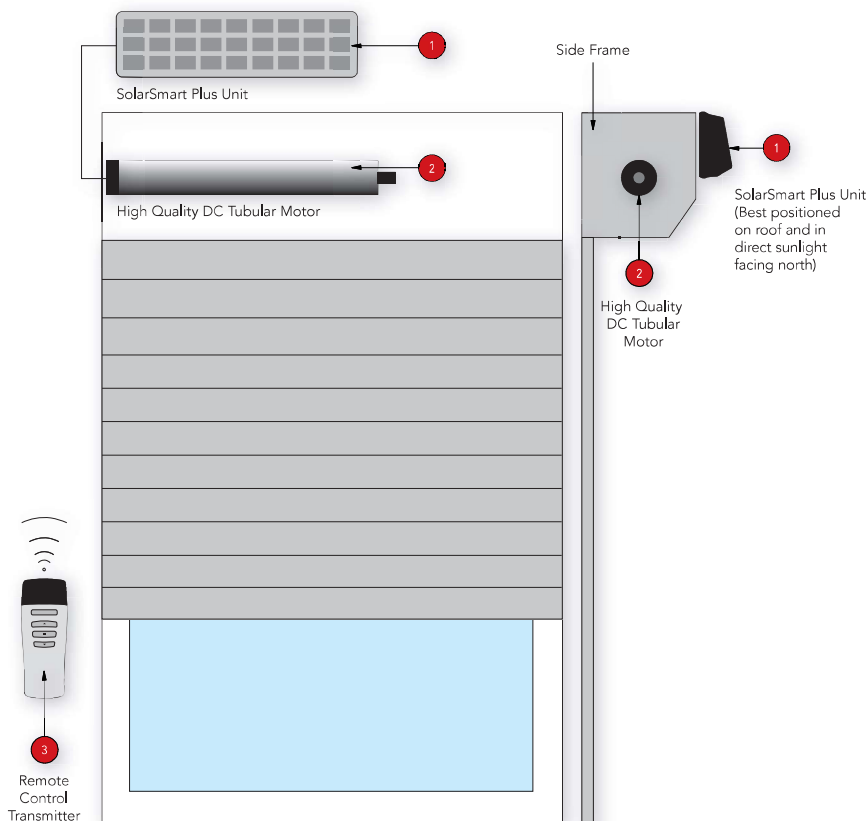
- Completely solar powered.
- Complete all-in-one fully integrated design.
- Green energy & environmentally friendly.
- Saves money on energy costs.
- No drilling or 240V hard wiring.
- Easy & quick to install.
- No need for electricians.
- Sleek & modern design.
- Quick clip mounting design.
- Remote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

General Note: All dimensions and colours are indicative only and may change without notice. Profile technical specifications and shutter performance may vary in certain applications, eg. wide applications with no solid structure behind the roller shutter. For more information please contact your CW Products representative.



Roller Shutter Automation Systems

SolarSmart™ Plus System At A Glance



- 1 SolarSmart Plus Unit (incorporating 4.2W 273mA Solar Panel, 12V DC NiMH 2600mA Rechargeable Battery Pack & Radio Receiver)
- 2 SolarSmart 12V DC Tubular Motor
- 3 CW Maxim Radio Transmitter

Two Remote Control Options

Transmitters are powered by a 3 Volt Lithium button battery.



1 Channel Transmitter



6 Channel Transmitter

* Compatible with Sensi-Fire Wireless Shutter Safety System.



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 roller shutter 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.


To order please complete a [CW Products Made To Measure Roller Shutter Order Form](#).

SolarSmart™ Plus Accessories

SolarSmart™ Plus Motor Extension Cables

SolarSmart™ Plus Motor Extension Cables are available.

| Description | Product Code |
|-------------|--------------|
| 5 Metre | 41-500-150 |
| 10 Metre | 41-500-151 |



SolarSmart™ Plus Trickle Charger

SolarSmart™ Plus Power Supply/Trickle Chargers are available.

| Description | Product Code |
|---|---------------|
| SolarSmart™ Plus 18V Power Supply/Trickle Charger | 41-999-120-18 |



SolarSmart™ Plus Trickle Charger Loom

SolarSmart™ Plus Trickle Charger Looms are available.


| Description | Product Code |
|---------------------------------------|--------------|
| SolarSmart™ Plus Trickle Charger Loom | 41-500-181 |



SolarSmart™ Plus Tiled Roof Mounting Brackets

SolarSmart™ Plus Tiled Roof Mounting Brackets are available.

| Description | Product Code |
|---|--------------|
| SolarSmart™ Plus Tiled Roof Mounting Brackets | 41-500-123 |



SolarSmart™ Plus Remote Controls

Additional SolarSmart™ Plus Remote Controls (including Cradle) are available.

| Description | Product Code |
|-------------|--------------|
| 1 Channel | 41-500-100 |
| 6 Channel | 41-500-106 |

