

IMPORTANT Solar Panel Installation Instructions

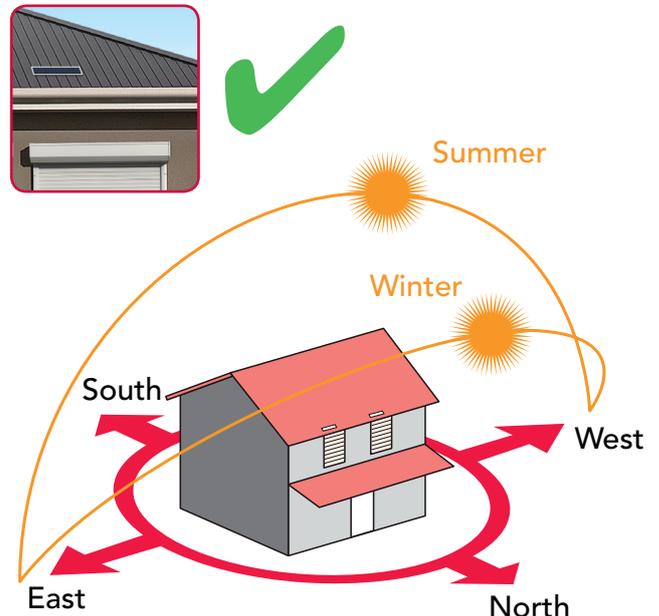
Note: For correct operation and optimum performance of the SolarSmart™ automation system, the following Solar Panel installation and positioning instructions **MUST** be followed. If you do not position the Solar Panels as recommended, you can expect to return to site within 6 weeks due to a flat battery resulting in costly maintenance calls.

Solar Panel Positioning Instructions

- 1 Solar Panels should ideally be positioned on the roof.
- 2 Solar Panels **MUST** face direct sunlight.
- 3 Solar Panels should ideally always face North. Survey the orientation of the building and identify the northern aspect as the ideal position.
- 4 Where facing North is not possible, positioning the Solar Panels facing East or West is acceptable. You **MUST** however ensure there is direct sunlight for a minimum of half a day in both Summer and Winter.
- 5 Ensure there are no obstructions/trees/buildings that will cause shadows over the Solar Panels, at any time throughout the year.
- 6 Always install Solar Panels on a 25° - 45° pitch. **NEVER** install Solar Panels flat.
- 7 **NEVER** install Solar Panels under eaves or near chimneys/trees/air conditioning units/other roof installations (eg. whirly birds, other Solar Panels, box gutters etc).
- 8 If Solar Panels are not installed in the correct position, you can expect to return to site within 6 weeks due to a flat battery resulting in costly maintenance calls.
- 9 Extension cables are available in 3m, 5m & 10m lengths for positioning Solar Panels to North facing or ideal location (can be connected to extend to maximum length of 30m).
- 10 If unsure where to position SolarSmart™ Solar Panels, please contact your local CW Products representative.

Optimum Performance Position

SolarSmart™ Solar Panels are best positioned on the roof, facing North and in direct sunlight.



Solar Panel Positioning Checklist

- Have you identified the best location for the Solar Panels - preferably North?
- Are the Solar Panels facing North, West or East?
- Are the Solar Panels angled between 25° - 45°?
- Are the Solar Panels free of obstacles & shadows, and will it continue to be all year round?
- Will the Solar Panels receive a minimum of half a day of sunlight in both Summer and Winter?

For further technical assistance, please contact your local CW Products representative or call CW Products on (08) 8341 0120 or email info@cwproducts.com.au



10 Handy Tips

For Successful SolarSmart™ Installation



These tips will ensure the successful installation and ongoing reliable operation of the SolarSmart™ automation system for roller shutters and external awnings.

- 1 Install the Solar Panel in a position which receives at least 4 hours direct sunlight every day. (Refer Solar Panel Positioning Instructions supplied overleaf.)
- 2 Ideally install the Solar Panels on the roof, facing North with the Solar Panels angled at a 25° to 45° degrees pitch – **NEVER** install Solar Panels flat.
- 3 All roof penetrations on corrugated or ridged metal roofing need to be on a peak and well-sealed.
- 4 All excess Solar Panel cabling should be neatly looped and stored within the eaves or ceiling space.
- 5 Any exposed cables should ideally be in a sheltered location and secured with cable clips.
- 6 All cable connectors should be concealed within the Roller Shutter/Awning pelmet, eaves, ceiling space or wall cavity to prevent potential corrosion.
- 7 All Solar Panel cable entry points to the pelmet should be well-sealed and not exposed to rain and moisture.
- 8 All cables inside the pelmet should be looped to prevent moisture ingress to the receiver or connectors.
- 9 Ensure all cables within the pelmet are tied securely and neatly to prevent any potential snagging on the Roller Shutter/Awning curtain.
- 10 Always test the installation by using the new SolarSmart™ Test Unit (41-500-108) on the Solar Panel, receiver and battery.

If unsure where or how to position and install SolarSmart™ Solar Panels, please contact your local CW Products representative.

ATTENTION ALL INSTALLERS

IMPORTANT

Solar Panel Positioning Instructions

These Solar Panel positioning instructions
MUST be followed to guarantee
SolarSmart™ operation and performance!