

# SolarSmart™ Solar Panel Positioning

## Important Solar Panel Installation Instructions

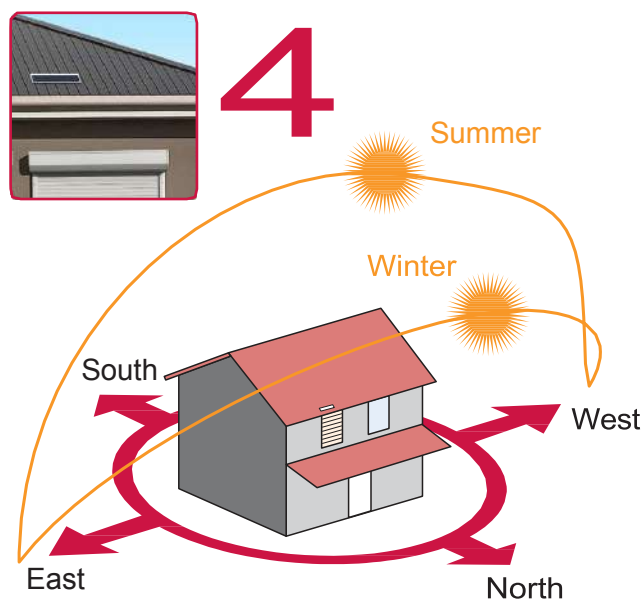
**Note:** For optimum performance of the SolarSmart™ automation system, the following Solar Panel installation and positioning instructions should be followed.

### Solar Panel Positioning Instructions

- 1 Solar Panel(s) should ideally be positioned on the roof.
- 2 Solar Panel(s) **MUST** be positioned in direct sunlight.
- 3 Solar Panel(s) should ideally always face North. Survey the orientation of the building and identify the northern aspect.
- 4 Where facing North is not possible, positioning the Solar Panel(s) facing East or West is acceptable. You **MUST** however ensure there is direct sunlight.
- 5 Ensure there are no obstructions/trees/buildings that will cause shadows over the Solar Panel(s), at any time throughout the year.
- 6 Always install Solar Panel(s) on a 25° - 45° pitch. **NEVER** install Solar Panels flat.
- 7 **NEVER** install Solar Panel(s) under eaves or near chimneys/trees/air conditioning units/ other roof installations (eg. whirly birds, other Solar Panels, box gutters etc).
- 8 If Solar Panel(s) are not installed in the correct position, you can expect to return to site within 6 weeks due to a flat battery.
- 9 Extension looms are available in 3m, 5m & 10m lengths (can be extended 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 Panel(s)?
- ☐ Is the Solar Panel(s) facing North, West or East?
- ☐ Is the Solar Panel(s) angled between 25° - 40°?
- ☐ Is the Solar Panel(s) free of obstacles & shadows, and will it continue to be all year round?
- ☐ Will the Solar Panel(s) receive half a day of sunlight in both Summer and Winter?

**For technical advice please contact Rainbow Shade New Zealand**

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