



I&O Manual

Photovoltaic Module Valen Solar Panels
Installation & Operating Instructions

Version: 5.0

**TO BE INSTALLED BY A SUITABLY QUALIFIED
ELECTRICIAN ONLY**



AUSTRALIA

1300 734 253

sales@valen.com.au
www.valen.com.au

NEW ZEALAND

0800 734 253

sales@valen.co.nz
www.valen.co.nz



Introduction

Thank you for purchasing this VALEN PHOTOVOLTAIC (PV) Module, referred to as 'SOLAR PANEL' and 'PANEL/S' in this document. Only components of the highest quality have been used in the manufacturing of the VALEN SOLAR PANEL. A PV module transforms light energy into electrical energy. Whilst these units are easy to use, precautions need to be taken to avoid injury.

PRECAUTIONS & IMPORTANT SAFETY INSTRUCTIONS

Possible dangers include shock, electrical burns, fires and lacerations, should the glass be broken.

1. VALEN SOLAR PANELS should only be installed by suitable qualified persons
2. Care should be taken not to drop the panel or to drop anything onto the panel, especially the flat glass surfaces
3. Do not touch the electric terminals or the bare conductors attached to the panel
4. If your panel is fitted with cables, do not pull on these
5. Consult your local building authority and ensure you abide by local building regulations
6. Periodically, the panels should be checked for performance, integrity and safety
7. Take height safety precautions should you mount these panels off the ground

LIMITED WARRANTY AND CONDITIONS

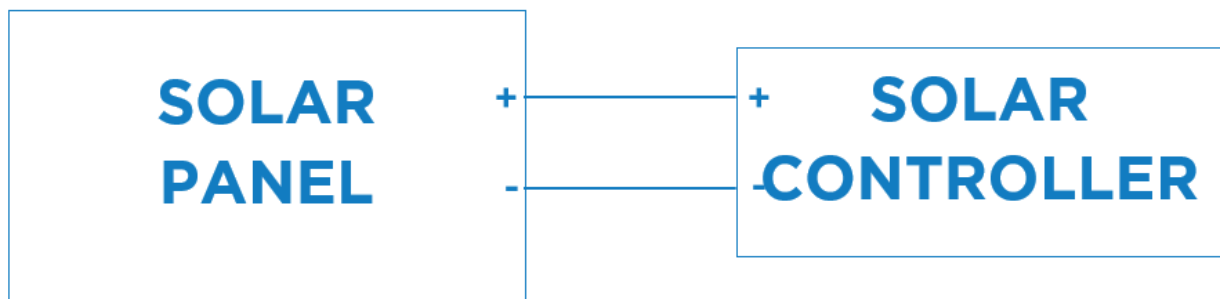
Materials used in the panel are of the highest quality and have been selected to perform beyond the life of the panel. Nevertheless, the durability of these components depends on suppliers and their suppliers in turn.

We are pleased to offer a 3-year workmanship warranty. The panel is further warranted to be able to produce more than 90% of its rated output for a period of 10 years and more than 80% of its rated capacity for 25 years.

MOUNTING

- Mount the panel at an angle to the ground, equivalent to the latitude of the installation.
- The panel should be facing north for maximum benefit.
- Should you mount the panel on the roof of a building or at any position off the ground, ensure that safety measures are undertaken to prevent injury from falling.
- Ensure that when mounting, the mounting apparatus is sufficient to withstand wind and corrosion.
- Also, ensure that there aren't any larger structures in the immediate vicinity that will cast a shadow on the panel. Bear in mind that in winter, the sun's position will move across the sky differently from that in Summer.

Wiring Diagram





Powering Potential

AUSTRALIA

1300 734 253

sales@valen.com.au

www.valen.com.au

NEW ZEALAND

0800 734 253

sales@valen.co.nz

www.valen.co.nz