

INVERTER OPERATION

When the Inverter is switched on all 4 LED'S light up for 1 second while the microprocessor performs a start up and system check procedure.

100% LED (Overload)

This LED indicates overtemp/overload. In this mode the all other LED's will be OFF and this LED will flash.

75% LED(AC Grid)

This LED has 2 modes of operation.

This LED will be ON solid with all other LED's off when the solar input is present and the AC grid is disconnected and/or awaiting reconnection.

This LED will FLASH for 90 seconds with all other LED's off when the inverter initially connects to the AC grid and performs a voltage and frequency stability check before feeding power into the AC grid.

50% LED (AC Fault)

When an AC fault is present this LED will FLASH and all other LED's off

25% LED

This LED will flash with all other LED's off during a battery maintenance cycle (see pg12).

Indicator Lamps

The 4 LED's on the front panel are dual purpose.

When in normal run mode they operate

as a bar graph

LED 4 - 76%-100% (top Led).

LED 3 - 51%-75%.

LED 2 - 26%-50%.

LED 1 - 1%-25%. (Bottom Led).

If the Inverter were supplying 60% of Full power then Led's 1, 2 & 3 would be illuminated.

DC Solar Connector

For easy connection and disconnection of DC Input Power from Solar Panels or Battery Bank.

Digital Energy Meter

Using the yellow button you are able to scroll through the different values. See page 14 for more details.

Plug & Play AC Connector

For easy connection and disconnection to AC grid.

Fan

If the temperature inside the Inverter reaches preset levels, the variable speed fan will switch on initially in low speed and then into higher speed if the temperature continues to increase. Obstruction of the air intake and output will reduce the power rating of the Inverter.

