



11th July 2015

Application Note on the Compliance with AS5033:2014

IGS-3000WM

The Giant Power IGS3000W is compliant with IEC62109-2 as required by AS5033:2014. Several methods can be used to alert the system owner aware that an earth fault has occurred.

- 1) The IGS unit will emit an audible alarm. To use this feature the IGS inverter should be installed in a location where operational staff or the system owner will be aware that the alarm is going off.
- 2) The IGS unit comes with Cabling that allows connection to a USB port on a computer. The provided SolarPower software comes in Windows/Mac & Linux formats and provides a full monitoring solution. The software can be set up to provide both SMS and Email alerts for a range of faults including Earth Faults. To set these features select

'SolarPower Configuration' - 'SMS Setting' or 'E-mail'

Note: You will need details of your SMS or Email Server to connect to (available from your internet provider or IT support)

'SolarPower Configuration' - 'Events' to set up which alerts you require.

- 3) An optional RS485 Modbus card is available for purchase. This will allow connection to the inverter to standalone Modbus monitors or industrial Modbus system. Please contact Giant Power for details of the Modbus protocol.

IPS-4000WM

The Giant Power IPS4000WM is a standalone offgrid inverter and is certified as IEC62109-1 & IEC62109-2 complaint as required by section 4.3.11. The IPS4000WM has a MPPT voltage range of 60-115v and as such is classified as ELV under AS5033:2014 so sections 3.4 Protection against Earth Faults do not apply providing the voltage is kept within this range.

For more information please call technical support at Giant Power on 1300 877554.