



INSTALLATION INSTRUCTIONS

Photovoltaic Installations

Important

This unit should be installed by a qualified competent person in accordance with all relevant legislation and regulations including building regulations and wiring regulations BS7671. If in doubt contact a qualified competent person with expertise in the regulations, installation and operation of photovoltaic systems (e.g. A Microgeneration Certification Scheme (MCS) certified installer).

CAUTION

- These units have two supplies.
- Turn off all power supplying this equipment before commencing work on or inside the distribution board.
- Ensure that the photovoltaic system is turned off, isolated and proven safe.

Failure to observe the above could result in serious injury or even death.

To prevent damage to the inverter it is important that the inverter manufacturers' instructions are followed.

- To switch OFF: First isolate the PV ac Isolator, then the DC isolator.
- To switch ON: First close the DC isolator, then the PV ac isolators.

The metalclad enclosure has been designed and tested such that it can be used as supplied on an earth free system or with the addition of an earth stud (not supplied) used on a protective earth system.

In PV installations the DC circuits are earth free and the AC output of the inverter does not have a local earth reference within the inverter. In some installations the casing of the inverter requires a protective earth and therefore an insulated through terminal (not connected to the enclosure) is provided for a PE conductor.

In earth free systems it is imperative that all cables passing through a metal enclosure are adequately insulated by the use of insulated and sheathed (double insulated) single core cables through insulating glands. DC circuits and AC circuits must be segregated and not be in the same insulating gland.

When an earth stud (M5) is fitted through the knockout provided in the side of the enclosure that suitable paint clearing washers are fitted against the painted surfaces inside and outside of the enclosure.

