SHUTDOWN PROCEDURE

PV panels can produce electrical current even when the system is not operating and therefore it must always be treated as live. As a result, even when a system has been shut down, parts of the system may be electrically live. Caution must be exercised while handling these systems.

1. Switch off AC isolator (RED) located by the Inverter.
2. Switch off DC isolator (BLACK) located by the Inverter.

WARNING: Do not open plug and socket connectors or PV array DC isolator under no load.

WARNING: PV array DC isolator do no de-energize the PV array and array cabling.

STARTUP PROCEDURE

Start-up procedure is the reverse of the shutdown procedure.

1. Switch on DC isolator (BLACK) located by the inverter.
2. Switch on AC isolator (RED) located by the inverter.

Actions During Earth Fault:

All PV systems with an array peak power of less than 240 kWp at STC are required to have a compliant Earth Fault Alarm system. An earth fault alarm is a safety requirement that detects whenever there is a fault or short-circuit between the DC circuit(s) of a PV system and ground (earth).

Respond immediately to the alarm with the following actions:

1. Follow the shutdown procedure given above.

2. Do not touch the panels or other conductive parts (such as metal, cables, etc.) of the system to avoid shocks caused by leakage currents.

3. Contact Energy Concerns LTD or, if unavailable, another accredited installer. You may also call your area's electrical authority.