

Liberty roofing Solar PV user guide

Step 1: Locate Your Hardware and Paperwork

The Inverter: The system benefit from a microinverter technology.

The Handover Pack: Get acquainted with your handover pack. All system warranties, datasheets will be included here, alongside your DNO G98 confirmation and your MCS. You will need these to register for exportation tariffs with suppliers such as British gas or octopus energy.

Isolation Switches: your system utilises Microinverters from Enphase, meaning the system is AC within your home. This means the isolator next to the inverter is Red/Grey and will shut off the system should it ever be required.

Step 2: Set Up Your System Monitoring App

- Download the manufacturer app (e.g., Enphase) specified in your handover pack.
- Connect the inverter to your home Wi-Fi via the app or ethernet cable.
- Use the app dashboard to track live generation (kWh produced)

Step 3: Shift Your High-Energy Habits to the Daytime

- **Run Appliances in Sunlight:** Stagger high-draw appliances (washing machine, dishwasher, tumble dryer, EV charger) during peak daylight hours (10 AM – 3 PM).
- **Avoid Running Everything at Once:** Solar generates steady power over time; running multiple heavy appliances simultaneously forces your home to draw extra electricity from the grid.

Step 4: Register for an Export Tariff to Get Paid

- **Smart Meter:** Ensure you have an operational Smart Meter that records export data.
- **Smart Export Guarantee (SEG):** Apply for an export tariff with an energy supplier using your MCS certificate and DNO permission letter.
- **Get Paid:** Your energy supplier will pay you a fixed rate for every kilowatt-hour of surplus electricity your panels send back to the grid.

Step 5: Understand System Maintenance & Monitoring

- **Self-Cleaning:** Solar panels are pitched to let rain wash away normal dust and debris, requiring little to no manual cleaning.
- **Check App Inverter Status:** Monitor the app monthly to ensure no warning alerts or sudden drops in generation occur. If drops do occur, check for obstructions on the panel (bird muck etc). If periods of hot weather, wash off where applicable and safe to do so, or wait for the next downpour.
- **Keep Inverter Area Clear:** Ensure the inverter has sufficient airflow and isn't blocked by stored boxes in your plant room.