

Your system has important maintenance requirements to ensure smooth operation and longevity. If your only energy generator is solar, then very little maintenance is needed. However if you have such components as wind turbines or fuel generators, then the mechanical nature of these components means that they will require more regular maintenance. A maintenance schedule has been provided below as a guide.

Equipment Enclosure & Adapt Unit

Check and keep enclosure free of dirt, clutter, obstruction and vermin	Daily
Check that equipment enclosure remains locked at all times	Daily
Maintain equipment at cool temp, protected and well ventilated	Weekly
Ensure safety labelling and instructions remain displayed and clearly visible	Weekly

Inverter/Charger

Check all component operating lights are normal	Weekly
Check and clean air filter if applicable (vacuum cleaner or soft brush)	Monthly
Clean any excess dirt or dust from the outside case (soft brush or damp cloth)	Monthly
Visually inspect for any loose cables or connections	Annually

Batteries

Test and record individual battery cell voltages on a chart (use a DC voltmeter)	Twice a year (minimum)
Remove dirt, insects and vermin from on or near battery bank	Monthly
Inspect condition of batteries, battery cables, sleepers, terminals and covers	Monthly
Check the temperature sensor is correctly bonded to a battery cell	Every 2 years
Ensure battery bank receives full charge (See Battery Charging section)	Every 7-10 days
Ensure battery bank receives full equalisation charge (See Battery Charging section)	Beginning/end of winter

Solar Array

Check & clean dirt off panel surface to ensure optimal performance (mop or cloth)	Twice a year
Check & cut-back any potential shade build-up (e.g. vegetation)	Twice a year
Inspect condition of panels, cables & array frame for damage or corrosion	Annually

Solar MPPT/Inverter

Check MPPT and/or battery monitor display for any error messages	Monthly
Check and clean air filter on applicable models (vacuum cleaner or soft brush)	Monthly
Clean any excess dirt or dust from the outside case (soft brush or damp cloth)	Monthly
Visually inspect for any loose cables or connections	Annually

Fuel Generator - (consult authorised genset service professional for further advice & regular tune-up/service)

Check & maintain fuel, oil and coolant levels	Daily
Inspect for fuel, oil, coolant or exhaust leaks	Weekly
Inspect for radiator or other blockages	Weekly
Inspect starter battery health – connections and fluid levels	Weekly
Inspect fan-belt condition and tension (following separate service manual)	Weekly
Drain any build-up collected in fuel water traps (following separate service manual)	Weekly
Inspect and service the air cleaner (following separate service manual)	Weekly
Inspect in-line fuel filters (following separate service manual)	Weekly
Drain oil & replace oil and fuel filters (following separate service manual)	Twice a year