

# Dartmoor Cottages Off Grid Systems



Off grid systems provide reliable, flexible solutions for holiday accommodation and home.

A small complex in Dartmoor has now received its' second off grid system from Energy Solutions. The first system delivered was to provide power for two, 3 bedroomed holiday cottages, the second was an off grid power supply for a 3 bedroomed home.

The off grid system for the two cottages, used as holiday lets, needed to be reliable for use with different holiday tenants, as well as secure and flexible enough to make good use of renewable energy. A containerised system was decided upon and the team at Energy Solutions custom built a container so that the fuel section could be accessed independently to the controls and battery system. The solar array was mounted on top of the container to make best use of the space and keeping the entire range of power options in one neat location.

To keep an eye on the entire system whilst not being on site, the owner of the cottages had installed a remote monitoring panel to be able to view the system from home or work providing added peace of mind.

At the 3 bedroomed home, the owner occupier wanted a similarly sized system but this time a frame mount system was the most viable option. Needing power on a constant basis with the normal loads and demands of a family home the system is housed in an outbuilding and monitored directly by the owners.

Both systems were designed, commissioned and installed by Energy Solutions' Off Grid team.

View our [Off Grid web site](#).

These Off Grid systems show how each location has it's own unique needs which our Off Grid team address individually.

**Paul Holland, Energy Solutions**

## **Solution**

E-Plex controlled Off-Grid systems incorporating:

### **Holiday Cottages**

- Double ended custom build container
- 10kW system
- Lead Acid battery bank
- 4kW solar array
- Remote monitoring panel

### **Home**

- Frame mount system
- 10KW system with lead acid battery bank

Off Grid container

