

# Energy Storage Case Study - Residential Battery Upgrade

Company

**EnviroGroup**

Location

**Upwey, Victoria**

Application

**Residential Solar Storage & Black-out Protection**

System Size

**5kW PV / 12kWh Battery Storage**

Battery storage

**3 x 4kWh ECO 4840P Modules replacing 8 x Lead Acid 330Ah 6V**

Solar panels

**20 x 250W**

Inverters

**Selectronic SP Pro 482 7.5kW Battery Inverter & 20 x Enphase Micro Inverters**

When this customer approached EnviroGroup in 2014 for a solar battery installation, the main motivations were reduced electricity bills as well as protection from the many inconvenient blackouts they experienced each year.



After purchasing a quality solar system & lead acid battery solution by the standards of the day, the heavy cycling of the batteries over six years meant that they were losing capacity and were in need of an upgrade.

The newly installed 3 x PowerPlus Energy 4kWh Eco 4840P self-managed lithium batteries worked seamlessly with the existing system while at the same time providing an increase in usable energy storage for the customer.

The new PowerPlus Energy batteries also fit neatly inside the customer's existing battery cabinet, resulting in a cost effective and easy to install battery upgrade.

The new batteries carry a 10 year warranty with at least 60% remaining capacity at the end of 10 years. The customer can also add additional batteries to expand their system over time if required.

