

Energy Storage Case Study - Residential Off Grid

Installation Company

Mackies
Electrical

Location

Hannam Vale,
NSW Mid North
Coast

Application

Off Grid
Residential

System Size

8.9kW PV /
40kWh Battery
Storage

Battery storage

10 x 4kWh ECO
4840P Modules

Solar panels

27 x 330W

Inverters

Electronic SP Pro
483 7.5kW
Battery Inverter,
Fronius 8.2Kw
Solar Inverter

When this award winning property was purchased in 2020, the ten year old off grid solar battery system required an upgrade to suit the power requirements of the new owner.



Replacing the existing system which comprised a 24 Volt Selectronic SA32 inverter and 1000Ah flooded lead acid batteries, the new system was specifically designed to cater for their planned expansion which included the modern conveniences of a swimming pool, air conditioning and a shed.

The new system now includes ten PowerPlus Energy Eco 4840P batteries (40kWh total), a 7.5kW Selectronic SP Pro battery inverter, and almost 9kW of solar panels. This is over four times the size of the original system.

The home owner now looks forward to many years of reliable power from their new off grid system, as well as ongoing local support from Mackies Electrical and PowerPlus Energy.

