

Lead Replacement: Restoring with LiFe

ENERGY STORAGE CASE STUDIES

Installer

De Main Electrical
Services

Location

Donkey Farm,
Scenic Rim Region,
Queensland

Application

Off-Grid Lead Acid
Replacement

Upgraded System Size

900W Solar PV
9.9kWh Battery
Storage Single Phase

Battery storage

3 x LiFe2433P 24VDC
3.3kWh LFP Battery
Modules (on each site)

Solar panels

6 x 150W existing 72
Cell Solar Modules

Inverters

2 x Latronics LS Series
24V Battery inverter
2 x Victron SmartSolar
100/50 MPPT's

Saving on space with a lithium battery upgrade using PowerPlus Energy Batteries

With the existing lead-acid system being to show failing batteries, owners approached De Main Electrical to restore the systems capacity and return it to operational activities. Solar charge controllers were swapped out for modern Victron MPPT's to maximise the panel efficiencies and utilise as much as possible from the array. Energy storage was an easy and direct swap from lead acid batteries to PowerPlus Energy LiFe2433P batteries making it a simple upgrade.



Photos courtesy of De Main Electrical (August 2019)