

# Declaration of compliance to: Best Practice Guide: Battery Storage Equipment Electrical Safety Requirements.

## PowerPlus Energy LiFe4833P Pre-assembled Battery System

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### Type of battery storage equipment

The PowerPlus Energy LiFe4833P is a 51.2Vdc 64Ah 3.3kWh Pre-assembled Battery System using Lithium Ferro Phosphate cylindrical cells with an internal battery management system, a Noark 2-pole non-polarised 63A DC circuit breaker, Amphenol Surlok battery terminals and volt free alarm contacts via a RJ45 connector in a robust metal enclosure.

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### Details of the BPGBSE method chosen and standards applied

Method 1 of the Best Practice Guide – Battery Storage Equipment Electrical Safety Requirements has been chosen to demonstrate the compliance of the LiFe4833P battery. This method mandates compliance with:

1. IEC 62619:2017 Secondary cells and batteries containing alkaline or other non-acid electrolytes.
2. AS/NZS 62368.1:2018 Electrical safety requirements.

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Certifications of compliance to standards cited by the mandatory method by certification bodies recognised in Australia

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### Certification and testing documents held

- LiFe4833P TUV SUD IEC62619 Cert 211-281806262-000
- LiFe4833P TUV SUD IEC62619 Test 211-281806262-000
- LiFe4833P SGS IEC 62368.1 Suitability Certificate SGS200640
- LiFe4833P LiFe2433P Eco4840P EMCT 62368.1 Test Report M2002010-2 SAF
- LiFe4833P TCT UN38-3 Test TCT190416B018
- LiFe4833P RCT EN61000 Test RCT20190521001EMC

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### Declaration of compliance

On the basis of assessment tests undertaken by nationally and internationally recognised test laboratories, and certificates issued by nationally and internationally recognised authorities,

I, Simon Chan (BE – UWA, MIEEE, MACS Snr, CP), Technical Director for PowerPlus Energy Pty Ltd, hereby declare the LiFe4833P Pre-assembled Battery System to be compliant to Best Practice Guide for Battery Storage Equipment – Electrical Safety Requirements – Version 1 – Pre-assembled battery system equipment – Method 1 mandatory requirements.