

LiFe and Eco Series - AS/NZS5139:2017 and Best Practice Guide

AS/NZS5139:2017 Section 6: 6.1 General Requirements

The 2RU LiFe and ECO Series batteries have been designed in “accordance” with, and have been or are being tested to conform with IEC62619:2017.

Current Certifications held:

- LiFe4833P, LiFe2433P, LiFe12033P - 22650 Cell - IEC62619:2017 (Cert No. SG PSB-BT-01143)
- LiFe4833P Including BMS- IEC62619:2017 (Cert No. SG PSB-BT01319)
- LiFe4833P Including BMS - UN38.3 (Cert No. RZUN2019-0204)
- ECO4840P - 32700 Cell - UL1642 - (Cert No. 20181123-MH59963)

PowerPlus Energy batteries suitable for installation under Section 6 of AS5139:2017

- LiFe4833P, LiFe2433P, LiFe12033P, ECO48340P

AS/NZS5139:2017 Section 6: 6.3.5 Explosive Gas hazard - 6.3.5.2.8 Ventilation - Other System Chemistries

When the 2RU LiFe and ECO Series batteries are used and installed in accordance with their, specification, warranty conditions and installation manual, venting is not required as no flammable gasses are released under normal operating and fault conditions.

Refer to PowerPlus Energy Safety Data Sheet (SDS) for more information.

AS/NZS5139:2017 Section 6: 6.3.7.1 Toxic Fume Hazard - General

When the 2RU LiFe and ECO Series batteries are used and installed in accordance with their, specification, warranty conditions and installation manual, venting is not required as no toxic fumes are released under normal operating and fault conditions.

AS/NZS5139:2017 Section 6: 6.3.4.4 Battery Management System

The 2RU LiFe and ECO Series BMS is compliant to Section 6:6.3.4.4 and monitors and controls potential fault conditions as specified in Clause 6.3.4.5 to 6.3.4.9.

Best Practice Guide: Battery Storage Equipment, Electrical Safety Requirements.

PowerPlus Energy is currently seeking necessary approvals and tests to have our batteries compliant to address hazards as required under **3.1 Method 1** of the Best Practice Guide: Battery Storage Equipment, Electrical Safety Requirements, Version 1.

ETA to conform (including CEC listing) LiFe4833P April 2020

ETA to conform (including CEC listing) LiFe2433P, LiFe12033P, ECO4840P June/July 2020

Other conforming tests being under taken are: UL1973, UN38.3, AS/NZ60950.1.2015, and IEC6100.1