Statement of Compliance to AS/NZS5139:2019 Section 6

PowerPlus Energy prides itself making safe, reliable and easy to use energy storage solutions for the global market. All of our batteries are design to the highest of global standards, to ensure ultimate safety when using, storing or transporting our batteries.

With the introduction of AS/NZS5139:2019 and the Best Practice Guide, there are now different requirements for installation, that are dependant on batteries being certified and tested to IEC62619, design to IEC62619:2017 and or a statement of compliance to the Best Practice Guide.

PowerPlus Energy has/is undergoing the relevant certifications listed below:

- Certification to IEC62619:2017 for our 2RU range including, but limited to the models listed below.
- Compliance to Method 1 of the Best Practice Guide: Battery Storage Equipment, Electrical Safety Requirements for, but not limited to the models listed below:
    - LiFe2433P, LiFe4833P, LiFe4822P, LiFe12033P, Eco4840P
    - LiFe4822PS, LiFe2433PS, LiFe4833PS, LiFe12033PS, Eco4840PS

Current Certifications for LiFe 2RU Premium Series:

- Battery Cell
    - IEC62619:2017 (Cert No. SG PSB-BT-01143)
- Battery LiFe4833P including BMS
    - IEC62619:2017 (Cert No. SG PSB-BT01319)
- Battery LiFe4833P including BMS
    - UN38.3 (Cert No. RZUN2019-0204)
- Battery 2RU LiFe (all models) including BMS
    - EN61000-6-3 (pending certificate issue)
    - AS62638.1:2018 (pending certificate issue)
- Battery 2RU LiFe (all models excluding LiFe4833P) including BMS
    - IEC62619:2017 (undergoing test certification)
    - UN38.3 (undergoing test certification)

Current Certifications for Eco 2RU Series:

- Battery Cell
    - ICE62619:2017 (Cert No. JPYUV-107188)
    - UL1642 - (Cert No. 20181123-MH259963)
- Battery 2RU Eco (all models) including BMS
    - EN61000-6-3 (pending certificate issue)
    - AS62638.1:2018 (pending certificate issue)
    - IEC62619:2017 (under going test certification)
    - UN38.3 (under going test certification)

PowerPlus Energy Batteries Suitable for Installation Under Section 6 of AS5139:2019

PowerPlus Energy's 2RU LiFe and Eco series have been design in accordance with IEC62619:2017 and can be installed under Section 6 of AS/NZS5139:2017.

- LiFe2433P, LiFe4833P, LiFe4822P, LiFe12033P, Eco4840P
- LiFe4822PS, LiFe2433PS, LiFe4833PS, LiFe12033PS, Eco4840PS

AS/NZS5139:2019 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/NZS5139:2019 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 the corresponding specification, warranty conditions and installation manual, venting is not required as no toxic fumes are released under normal operating and fault conditions.

AS/NZS5139:2019 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

3.1 Method 1

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.

IEC62619

PowerPlus Energy is finalising certification for the balance of our 2RU LiFe and Eco Series. The LiFe4833P has been certified and certificate can be issued when requested.

CEC Listing

Upon receipt of all relevant test certificates and compliance to the Best Practice Guide, PowerPlus Energy will seek CEC listing of the 2RU LiFe and Eco Series.