Statement of Compliance to AS/NZS5139:2019

Energy Storage

OVERVIEW

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 dependent on batteries being certified and tested to IEC62619, design to IEC62619:2017 or IEC62619:2022 and or a statement of compliance to the Best Practice Guide.

PowerPlus Energy has the relevant certifications listed below:

- Certification to IEC62619:2017 or IEC62619:2022 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, LiFe4838P, LiFe4822P, LiFe12033P, Eco4840P, Eco4847P

Current Certifications for Eco4840P:

- Battery Cell
  - ICE62619:2017 (Cert No. JPYUV-107188)
  - UL1642 - (Cert No. 20181123-MH259963)
- Battery 2RU Eco4840P including BMS
  - EN61000-6-3 (pending certificate issue)
  - AS62638.1:2018 (pending certificate issue)
  - IEC62619:2017 (pending certification)
  - UN38.3 (pending certification)

Current Certifications for LiFe 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
  - AS62638.1:2018 (pending certificate issue)
- Battery 2RU LiFe (LiFe2433P, LiFe4822P, LiFe12033P) including BMS
  - IEC62619:2017 (pending certification)
  - UN38.3 (pending certification)
- EN61000-6-3 (pending certificate issue)

Current Certifications for Eco4847P:

- Battery Cell
  - ICE62619:2022 (Cert No. JPTUV-164220)
- Battery 2RU Eco4847P including BMS
  - EN61000-6-3 (CPRAV-EMC-2408009 Rev 1.00)
  - AS62638.1:2022 (AZ 69028501)
  - IEC62619:2022 (JPTUV-169320)
  - UN38.3 (CN257JZ9001)

POWERPLUS ENERGY BATTERIES SUITABLE FOR INSTALLATION UNDER SECTION 5 OF AS5139:2019

PowerPlus Energy's LiFe4833P and LiFe4838P have been design in accordance with IEC62619:2019 and can be installed under Section 5 of AS/NZS5139:2019.

PowerPlus Energy's Eco4847P has been designed in accordance with IEC62619:2022 and can be installed under Section 5 of AS/NZS5139:2019.

POWERPLUS ENERGY BATTERIES SUITABLE FOR INSTALLATION UNDER SECTION 6 OF AS5139:2019

PowerPlus Energy's LiFe and Eco series have been design in accordance with IEC62619:2019 and can be installed under Section 6 of AS/NZS5139:2019.

- LiFe2433P, LiFe4822P, LiFe12033P, Eco4840P

AS/NZS5139:2019 – Explosive Gas hazard - Ventilation - Other System Chemistries.

When the 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 gases are released under normal operating and fault conditions.

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

AS/NZS5139:2019 – Toxic Fume Hazard - General.

When the 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 – Battery Management System.

The LiFe and Eco Series BMS is compliant to the relevant section and monitors and controls potential fault conditions as specified.
