

# Declaration of Compliance: Best Practice Guide: Battery Storage Equipment Electrical Safety Requirements

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## AERL LiFe2 5120S: Statement of Compliance to Method 3

We hereby declare that our battery storage equipment complies with the mandatory safety criteria outlined in Method 3 of the Best Practice Guide for Battery Storage Equipment - Electrical Safety Requirements. This compliance has been verified through thorough testing and assessment of the complete equipment as a single device, with the following standards applied:

### Main Standards:

1. **AS IEC 62619:2017** - Secondary cells and batteries containing alkaline or other non-acid electrolytes, or **IEC 62619 Ed 1 2017**.
  - o Note: For risk assessments not related to the lithium battery module, reference has been made to other main and secondary standards within this Method for the test process and pass criteria.
2. **IEC 62040.1:2017** (including IEC 62477-1:2012).
  - o Note: IEC 62040.1:2017 indicates batteries may be installed in separate rooms, cabinets, or compartments. For equipment complying with this guide, the batteries are expected to be within the UPS or in a master/slave configuration as detailed in this guide. This standard has been applied to the extent it is relevant for the complete equipment assessment, excluding the lithium battery module and management unit assessed to AS IEC 62619:2017.

### Secondary Standards:

1. Software validation requirements have been met through testing conducted under AS IEC 62619:2017, which provides equivalent coverage to the software validation requirements specified in AS/NZS 60335.1:2011 clause 22.46 or UL 1973:2013 section 5.8.1.3.

### Specific Requirements:

The following requirements from section 3.3.3 have been met:

- External enclosure material requirements
- Battery module sealing requirements
- Isolation device requirements
- Safety datasheets (SDS)
- Detailed installation instructions
- Maintenance instructions
- IP rating requirements (IP2X for indoor use)
- UV resistant markings requirements as applicable

This compliance statement has been prepared and verified by a suitably competent person with relevant expertise. All documentation and evidence of compliance are compiled and maintained as per section 2.6 of the Best Practice Guide.

### Declaration of Compliance:

Based on assessment tests undertaken by nationally and internationally recognized test laboratories, and certificates issued by nationally and internationally recognized authorities, we hereby declare the LiFe2 5120S:

"Compliant to Best Practice Guide for Battery Storage Equipment – Electrical Safety Requirements – version 1 - Battery Module - Method 3 mandatory requirements"

Signature:  Date: 02/09/2024