



Document Title:

# 12 Volts Battery Pack for Line Recloser

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**Material Specifications**

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**4350.068**

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**Distribution Standards & Materials**

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## Version History

| Date         | Revision Comments  |
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| Feb 17, 2022 | Initial Release.   |
| Jan 09, 2023 | General format corrections, cover page added, table of compliance added. |

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Equipment Specification  
Document No.: 4650.068  
Asset Suite: 74138  
Originating Department: Distribution Engineering



## 12 Volts Battery Pack for Line Recloser

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### 1. Introduction

This is a general specification that covers the minimum requirements for 12 volts battery pack for line recloser to be used in the distribution system in Puerto Rico. Further information will be provided by LUMA Energy at the time of order placement regarding on site specific conditions, quantity, and other requirements. This document includes the general electrical and mechanical characteristics of the material.

### 2. Special Requirements

Samples shall be furnished as requested by LUMA Energy. Vendors that have supplied this material to LUMA on previous orders, will not have to furnish samples at bid opening. The material will be received at the LUMA's general warehouse (011) at Palo Seco, Puerto Rico. Shipping will include transportation and unloading at the indicated warehouse.

### 3. Quantity/Literature

Descriptive and technical literature must be supplied by vendor at time of bidding. This literature may include, but is not limited to details of material, drawings, documented testing, and instructions for use and installation. Failure to submit documents on time will cause bidder disqualification. For products described in this specification as requiring qualification, awards will be made only for such products that, prior to the time for opening of bids, had been tested and/or approved by LUMA. Evidence of PREPA's and/or LUMA Energy's approval of the equipment or material shall be supplied by vendor if requested by LUMA Energy.

### 4. Markings

- 4.1. Containers shall be marked outside with LUMA Energy's purchase order, item number, name and size, net and gross weight, manufacturer's name, and lot number.
- 4.2. Packaging labels and tags shall be waterproof.

### 5. Equal or Approved Equal to

S&C, model SDA-4605.



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### 6. Packaging

All material and equipment shall be packaged and marked in such a way as to facilitate handling and protection from damage, and that it can be readily identifiable at the receiving warehouse.

### 7. Number Per Package (Logistics)

Thirty-five (35) per package or as required by LUMA Energy.

### 8. Acceptance Criteria

- 8.1. Test required: certified by external laboratories.
- 8.2. Shall comply with the latest applicable codes, standards, and other regulations.

### 9. Description

- 9.1. 12-volt battery pack to be used on IntelliRupter PulseCloser Fault Interrupter.
- 9.2. Pack shall be shrink-wrap containing 6 batteries cells combined for a 12-volt output.
- 9.3. Minimum capacity: 8000 mAh
- 9.4. Battery cell chemistry: Sealed lead acid.
- 9.5. Approximate weight shall be 7 lbs (3.18 kg).
- 9.6. Dimensions shall be as S&C model SDA-4605 to ensure compatibility with IntelliRupter PulseCloser Fault Interrupter.
- 9.7. Battery pack shall be furnished with a Molex 39-01-2026 secure connector, compatible with IntelliRupter PulseCloser Fault Interrupter.

### 10. Inspection

The acceptance of any material or equipment shall in no way relieve the vendor from his responsibility to meet all the requirements of this specification, and it would not prevent subsequent rejection if such materials were found later to be defective.



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### **11. Proposal Information**

11.1. Submitted proposals must include:

- a. Technical information
- b. Table of Compliance completed by the bidder with reference. (See Appendix)

— End of Specification —



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# **Appendix**



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### Appendix 1: Table of Compliance

| Line | Criteria                   | Description   | Pass/Fail<br>(P / F) | Comments |
|------|----------------------------|---|----------------------|----------|
| 1    | Specification              | The Proponent complies with the corresponding specification document (4350.068)                                 |                      |          |
| 2    | Industry Standards         | The Proponent complies with the industry standards established in the specification document. (ANSI/ASTM, IEEE) |                      |          |
| 3    | Material and Packaging     | Chemistry: Sealed lead acid<br>6 battery cells with shrink wrap<br>Approx. weight: 7 lbs                        |                      |          |
| 4    | Electrical Characteristics | Overall voltage: 12 V<br>Minimum capacity: 8000 mAh   |                      |          |
| 5    | Compatibility              | Dimensions and connector shall be compatible with S&C Intellirupter Pulsecloser Fault Interrupter.              |                      |          |











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Final Audit Report

2023-01-09

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