# RLH Industries, Inc.
## Fiber Optic Link

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# USER GUIDE

www.fiberopticlink.com

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## 48VDC 7.2Ah DIN Mount Battery Pack

**Ideal for Temporary Power Backup for Critical Communication Equipment**

The RLH 48V 7.2Ah battery pack is designed to provide reliable UPS backup power for industrial equipment. Ideal for use with RLH UPS systems, battery packs are commonly used with AC/DC power supplies and a UPS battery charge controller to provide uninterrupted backup power in the event of a power outage.

The battery pack is a durable, compression molded fiberglass housing with four 7.2Ah sealed type batteries mounted inside. The battery pack is designed to be wall or panel mounted.

The batteries are field replaceable by qualified personnel, and replacement battery kits are available. The battery pack includes a connection terminal and replaceable protection fuse on the bottom.

RLH battery packs have a long service life up to 5 years of standby service. As with all batteries, excessive discharge cycling, hot or cold temperatures will decrease battery power and life.



48VDC 7.2Ah DIN Mount Battery Pack

## Key Features

- Durable compression molded fiberglass with screw down cover plat
- Includes sealed, maintenance free, lead acid batteries with AGM technology
- High cycle life, deep discharge capable
- Easy to access, pluggable, screw down terminals
- Ideally suited for 48VDC UPS applications
- Externally accessible and user replaceable fuse
- Up to 5 years of stand by service

## Ordering Information

| Description | Part Number |
|---|---|
| 48 Volt DC Battery Pack with 7.2Ah Capacity, Wall Mount | RLH-4807-1BP |
| Replacement Battery Set For RLH-4807-1BP | RLH-4807-1RB |

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## Installation

Prior to installation:

- Check for shipping damage
- Check the contents to ensure correct model and capacity
- Have a clean, dry installation environment ready

Required for installation:

- Sufficient mounting space
- Mounting surface must support 28lbs./ 12.7kg

### Wall Mounting

Mount the battery pack to the wall or other surface. You may need assistance in holding the battery pack in place while mounting.
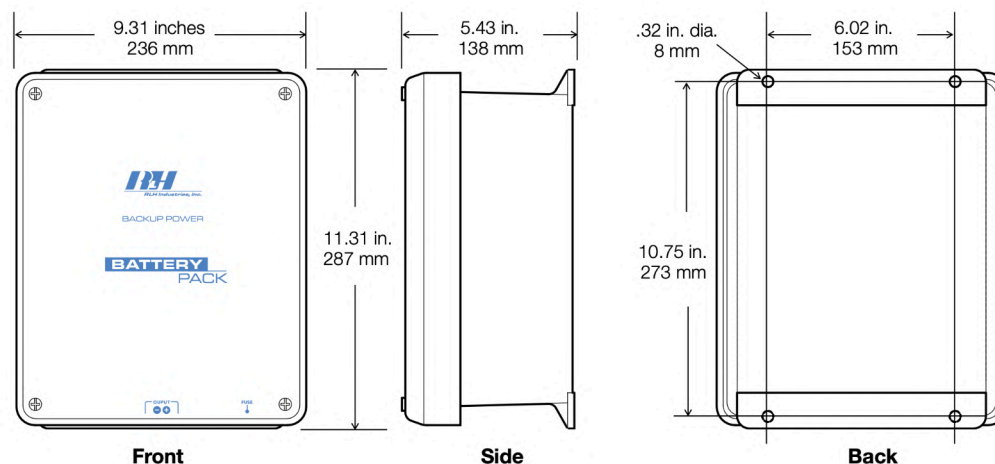
### Connect Contact Wires

Connect device wiring to the screw down terminal on the bottom. Observe the polarity markings next to the terminal block.

### Install Fuse

Remove the fuse holder cover and install the included fuse. Refer to the specifications section for the replacement fuse rating.

Note: Power is applied to the screw down terminals once the fuse is inserted.
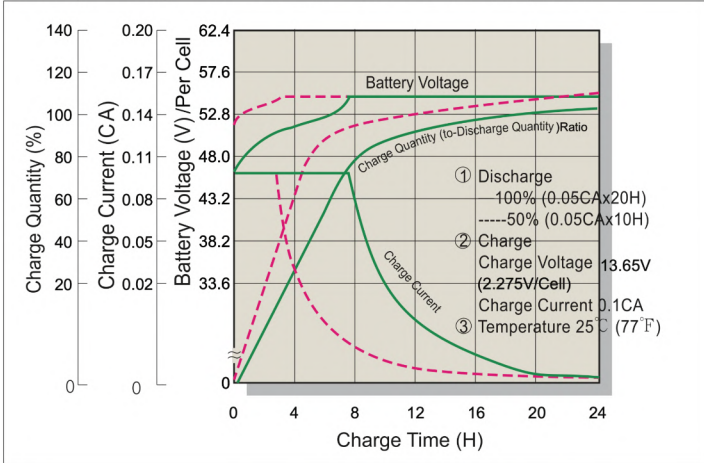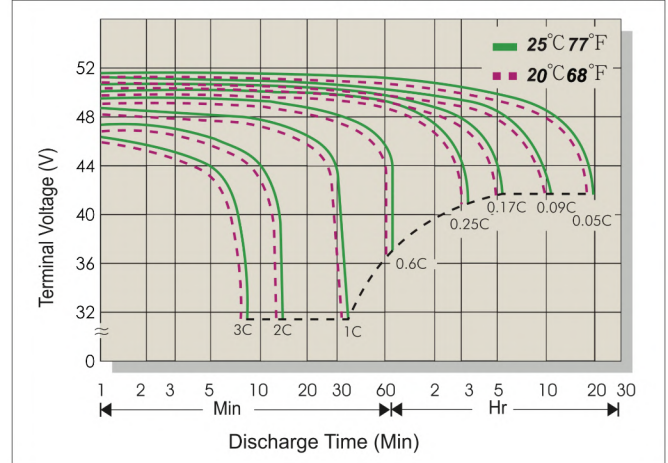
## Dimensions



| Front | Side | Back |

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## Charging & Discharging

### Battery Voltage and Charge Time for Standby Use



### Terminal Voltage (V) and Discharge Time

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## Key Specifications

| | |
|---|---|
| **Battery Pack Construction:** | Durable compression molded fiberglass with screw down cover |
| **Dimensions:** | 9.3" (W) x 5.4" (D) x 11.3" (H), (236mm x 138mm x 287mm) |
| **Weight:** | 12.7 kg/28 lbs. |
| **Mounting:** | Wall mount |
| **Power Connection:** | Screw down power terminals |
| **Internal Batteries:** | Quantity 4, 12VDC, 7.2Ah |
| **Battery Type:** | Sealed Lead Acid, AGM, Deep Cycle, spill proof, maintenance free |
| **Nominal Voltage:** | 48VDC |
| **Capacity:** | 7.2Ah @ 25°C |
| **Included Fuse:** | 6A, user replaceable |
| **Operating Temperature Range:** | Discharge: -15°C ~ 50°C (5°F ~ 122°F)<br>Charge: -15°C ~ 40°C (5°F ~ 104°F)<br>Storage: -15°C ~ 40°C (5°F ~ 104°F)<br>*Extreme temperatures will reduce the storage time as well as the life of the batteries |
| **Charging Voltage:** | 54 to 55.2VDC average @25°C (77°F) |
| **Maximum Recommended Charging Current Limit:** | 2.16A |
| **Self Discharge:** | Less than 10% after 90 days<br>Battery pack can be stored for up to 6 months at 25°C (77°F)<br>Batteries must be charged before using |

## Contact

| By Mail: | Att: Sales<br>RLH Industries, Inc.<br>936 N. Main St.<br>Orange, CA 92867 | |
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## Tech Support

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