RLH Industries, Inc.
Fiber Optic Link

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USER GUIDE

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24VDC 1.2Ah DIN Mount Battery Pack

Ideal for Temporary Backup for Low-Powered Electronics

This battery pack is designed to supply temporary power to industrial equipment in the event of a primary power loss. They are a great way to add backup battery power to RLH power supplies that have a compatible UPS battery charge controller. They mount quickly to standard T35 DIN rails, and come with a wall mount adapter plate for wall mounting.

The housing is constructed of durable powder coated aluminum alloy and designed with pluggable screw down terminals, and an externally replaceable fuse is included to protect the internally battery circuit.

The internal batteries are maintenance free sealed lead acid batteries rated for up to 5 years of standby service or more than 400 cycles at 50% discharge depth. Depleted batteries are field replaceable and replacement sets are available.

24VDC 1.2Ah DIN Mount Battery Pack

Key Features

- DIN or Wall mount
- Compact design
- Ideally suited for 24VDC UPS applications
- Removable terminal block for easy disconnec
- Externally accessible and user replaceable fuse
- Sealed, no-spill lead acid battery design
- Up to 5 years of stand by service

Ordering Information

Description	Part Number
24 Volt DC Battery Pack with 1.2Ah Capacity, DIN or Wall Mountable	RLH-2401-1BP
Replacement Battery Set For RLH-2401-1BP	RLH-2401-1RB

Installation

Prior to installation:

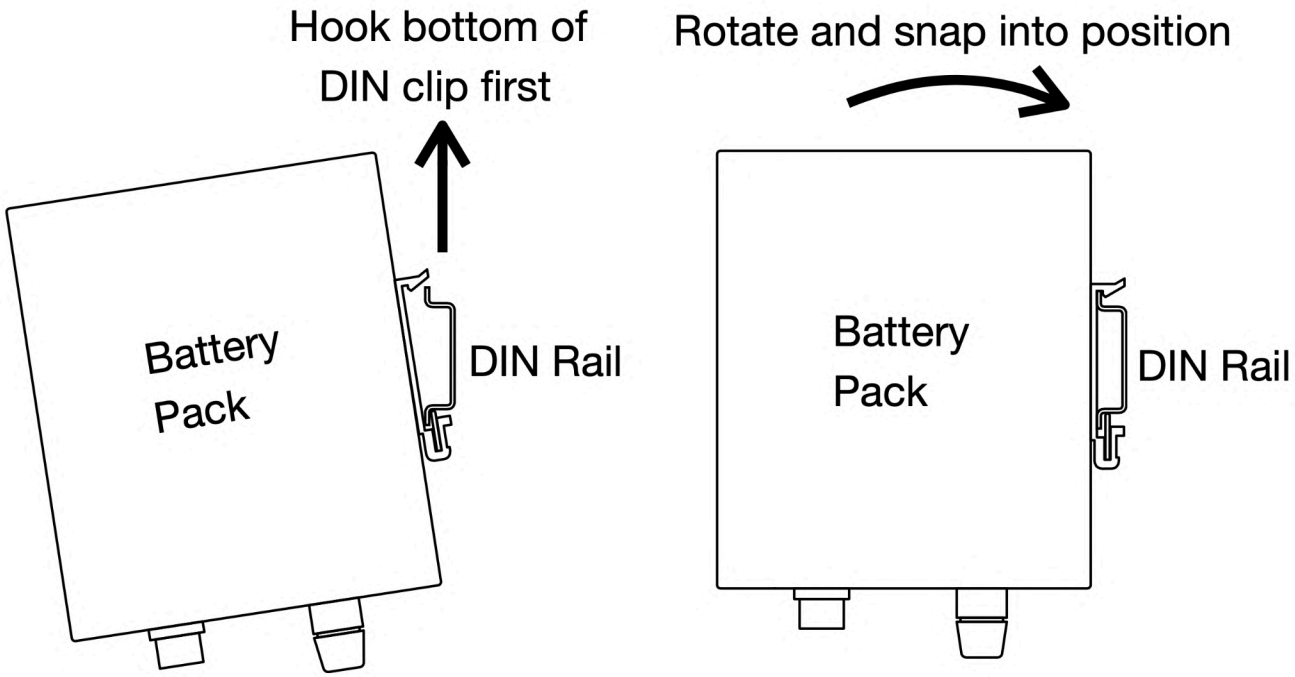
- Check for shipping damage
- Check the contents to ensure correct model and capacity
- Have a clean, dry installation environment ready

Required for installation:

- DIN rail for DIN mounting
- Wall mount plate for wall mounting

DIN Mounting

Attach the battery pack to the DIN rail by engaging the bottom of the DIN clips onto the rail first, then push up slightly while rotating the top onto the rail. Check to make sure that the battery pack is securely mounted onto the DIN rail.



Installation (cont'd)

Wall Mounting

Remove the DIN clip and install the included wall mount plate. Reuse the screws from the DIN clip, and orient the plate with the slotted hole at the top. Mount the battery pack to the wall or other surface using the top and bottom holes. The slotted hole at the top allows you to hang the unit first, then fasten it in place using the bottom hole.

Connect Contact Wires

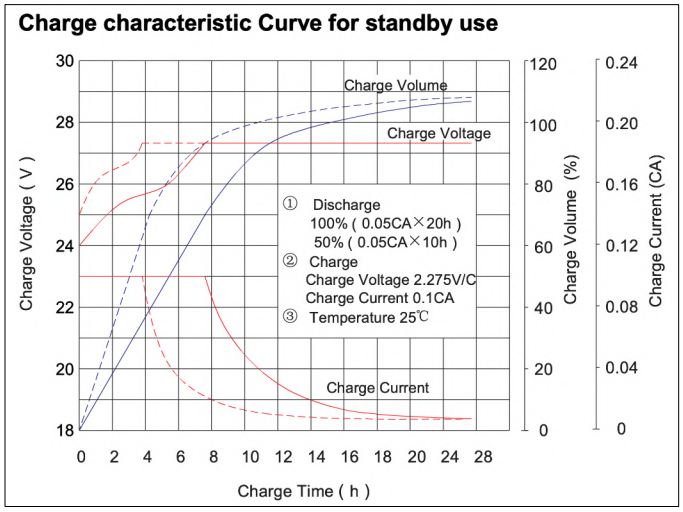
Connect the battery wiring to the screw down terminal on the front. Observe the polarity markings next to the terminal block. The terminal block itself may be removed from the battery pack for ease of installation by loosening the screws on both sides of the terminal block. Seat the connector fully when reinstalling and tighten the screws to ensure a good electrical connection.

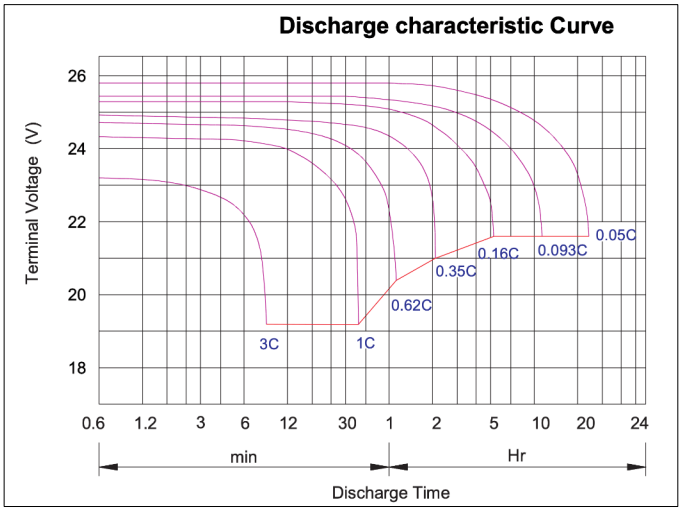
Install Fuse

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.

Charging & Discharging





Key Specifications

Battery Pack Construction:	Powder coated aluminum alloy with screw down cover plate
Dimensions:	2.6” (W) x 4.1” (D) x 5.7” (H), (66mm x 104mm x 145mm)
Weight:	1.4 kg/3 lbs.
Mounting:	DIN Clip for T35 DIN Rail Wall mount plate included for non-DIN rail mounting applications
Power Connection:	Removable screw down power terminals
Internal Batteries:	Quantity 2, 12VDC, 1.2Ah
Battery Type:	Lead acid deep cycle, spill proof, maintenance free
Nominal Voltage:	24VDC
Capacity:	1.2Ah @ 25°C
Included Fuse:	3A, user replaceable
Operating Temperature Range:	Discharge: -20°C ~ 60°C (-4°F ~ 140°F) Charge: -20°C ~ 60°C (-4°F ~ 140°F) Storage: -20°C ~ 60°C (-4°F ~ 140°F) *Extreme temperatures will reduce the storage time as well as the life of the batteries
Charging Voltage:	Standby Use: 27.3V ±0.3V @25°C (77°F) Cycle Use: 29.4V ±0.6V @25°C (77°F)
Maximum Recommended Charging Current Limit:	0.39A
Self Discharge:	After 3 months Approximately 90% @25°C (77°F) Remaining Charge After 6 months Approximately 82% @25°C (77°F) Remaining Charge After 12 months Approximately 70% @25°C (77°F) Remaining Charge

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