



RLH Industries, Inc.

## DATA SHEET

The leader in  
rugged fiber optic  
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# AC/DC 24V Wall Mount Power Supply

## Description

The AC/DC 24V wall mount power supply is a compact switching supply designed to convert AC power to regulated 24VDC power for a wide range of industrial equipment, all mounted inside a rugged thermoplastic wall mount housing.

They include an internal power supply with 2.1 Amp output, and battery charge controller. It is available as a power supply only, or together with either a 7AH or 20AH external backup battery pack to provide uninterruptible power.

Features include 12 screw-down terminals for connecting equipment, status LEDs for quick operational assessment, and field replaceable, sealed gel batteries. They have low output ripple along with short circuit, over-voltage and overload protection. AC mains cords are preinstalled, and may be easily removed for direct connection to source power.

## Key Features

- Applications for critical, high voltage, remote or un-manned locations that must remain operating 24/7/365.
- Compact wall mount design
- 12 output connections
- Wide operating temperature -40°C to 70°C (-40°F to 158°F)
- LED status indicators for AC input and DC output
- Hinged door secured with 3/8" hex nut
- Replacement battery packs are available



AC/DC 24V Wall Mount Power Supply



24V 7.2Ah Battery Pack



24V 20Ah Battery Pack

## Ordering Information

The system may be ordered in three (3) different configurations. Each identified with a part number.

Part Number	Battery Pack	Replacement Battery Set	Input Voltage	Output Voltage	Output Current
<b>8806-1206-03</b>	7.2Ah	8806-1206-03RB			
<b>8806-1206-03-20</b>	20Ah	8806-1250-06RB	108 ~ 125VAC	24V	2.1A
<b>8806-1206-03-NB</b>	N/A	N/A			

► Please contact your RLH sales representative for pricing and delivery information

## General Specifications

<b>Input</b>	Voltage Range	108 ~ 125VAC	
	Fuse Rating	3A fast blow	
<b>Output</b>	DC Voltage	27.6VDC +/- .1 VDC	
	Max Current	2.1A	
	Fuse Rating	6A fast blow	
	Max Capacity	12 output connection pairs (12 (+), 12 (-))	
<b>Battery Pack</b>	Battery Backup	24V (2 x 12V batteries in series)	
	Capacity	7.2Ah (8806-1206-03 model) 20Ah (8806-1206-03-20 model)	
	Battery Type	Sealed lead acid	
<b>LED's</b>	Input (Blue)	Output (Yellow)	
	ON	ON	Normal operation. Note that these LEDs will be ON even if the battery backup is discharged or disconnected from the system.
	OFF	ON	Loss of AC input or rectifier output and is operating on battery backup. Check main supply. Check AC input fuse (F2) 3A on power supply PCB.
	ON	OFF	Output voltage less than 24V. Check load on power supply. Disconnect all loads, if yellow LED comes on a possible short or overload condition may be present.
	OFF	OFF	Supply inoperative, batteries discharged or disconnected, check battery fuse F1 (6A). Verify main supply, check fuse F2 (3A) on transformer PCB.
<b>Construction</b>	Material	Power Supply - Thermoplastic, vented housing Battery Pack - Powder Coated Steel	
	Dimensions	Power Supply - 10.2" x 8.5" x 3.0" 7.2Ah Battery Pack - H8.25in. x W8.25in. x D4.5in. (210mm x 210mm x 114mm) 20Ah Battery Pack - H8.25in. x W8.25in. x D7.5in. (210mm x 210mm x 191mm)	
	Mounting	Wall (Hardware provided)	
	<b>Environment</b>	Operating Temp.	-40°C to 70°C (-40°F to 158°F) Battery Backup System -20°C to 60°C (-20°F to 140°F)