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MT-BAT-UPS-FM-24V-50AH

24V DC UPS Battery Pack for 500VA UPS – (12) × 2V 50Ah VRLA AGM Battery Cells

Product ID: 335510

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

MT-BAT-UPS-FM-24V-50AH Battery String Pack designed for complete string replacement for UPS systems – DC application

Unit Type: UPS Battery String Pack designed for complete string replacement for UPS systems – DC application

Dimensions: Battery-dependent (2V cell configuration; enclosure not included)

Weight: Battery-dependent (based on (12) × 2V cells per string)

Output Voltage: 24V DC nominal

Battery Type: 2V, 50Ah, Valve-Regulated Lead-Acid (VRLA), AGM, sealed non-spillable

Battery Configuration:

- - (1) battery string per set
- (12) × 2V cells connected in series
- 24V DC system per string
- Standalone DC battery module
- Complete pre-matched string pack replacement

Battery Capacity: 24V DC nominal

Maximum Discharge Current: Application dependent (typ. ~50–75A short-duration UPS discharge)

Recharge Current: UPS-controlled DC recharge (typ. 0.1C = ~5A recommended)

Recharge Time: 6–12 hours typical (depending on charger capacity and depth of discharge)

Battery Life: 3 to 5 years typical (VRLA, temperature and duty cycle dependent)

Mounting: Installed within UPS battery racks, cabinets, or customer-provided enclosures

Ratings/Approvals

UL 1778 listed

Special Orders - Special Requirements

Contact us for special requirements

Intl: 1-903-270-1187

Toll Free: 1-800-369-6671

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All grounding shall comply with state and local codes and meet the minimum requirements of the National Electronic Code section 250

The MT-BAT-UPS-FM-24V-50AH is a 24V DC UPS battery pack designed for complete battery string replacement in online double-conversion industrial Uninterruptible Power Supply (UPS) systems rated for 500VA applications. This battery module consists of

(12) new 2V, 50Ah VRLA AGM battery cells connected in series, engineered to support UPS DC bus requirements for reliable runtime continuity and stable backup performance.

The MT-BAT-UPS-FM-24V-50AH provides a ready-to-install replacement battery intended for use in compatible UPS systems utilizing 24V DC battery configurations. This unit is designed for indoor industrial power continuity applications and is suitable for UPS systems operating in single-phase or three-phase AC configurations where multi-cell battery strings are installed within UPS battery trays, racks, or customer-provided cabinets.

Installation: The MT-BAT-UPS-FM-24V-50AH is supplied as a complete battery string pack and is intended for installation within existing UPS battery compartments, racks, or cabinets. This unit is designed for direct replacement of a single UPS battery string, ensuring consistent performance, matched cell characteristics, and reliable runtime operation.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

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Frequently Asked Questions (FAQ)

There are no Faqs

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **Video1** (https://www.youtube.com/watch?v=LCYOu15ez4s)
- **ISO 9001 Certification** (http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate** (https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
- **Shipping Time Map** (https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)