



A Benny Lee Company

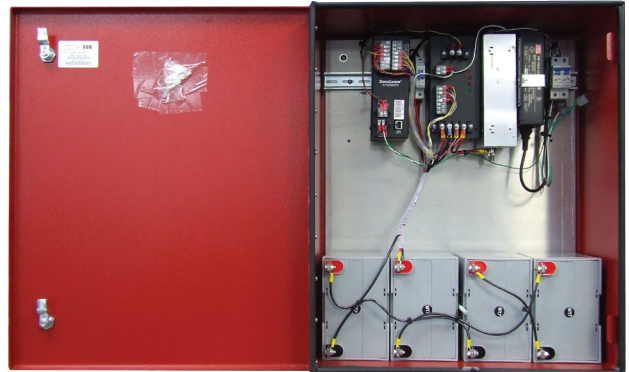
# PS SERIES

## DC and AC Uninterruptible Power Supplies

The PS-Series DC and AC UPS Systems are specifically designed to meet the requirements of the NFPA for mission critical and public safety DAS, BDA, and fiber systems. The units include an internal power supply, a separate 3-stage smart charger, and battery management system for a bank of sealed AGM batteries. Our modular DAL alarm unit provides the NFPA compliant form C dry contact alarm closures and allows for easy replacement or substitution of components. Housed in a NEMA 4x enclosure with a red powder coated finish for public safety. Prewired and preconfigured for ease of installation.

### Features

- **Lockable NEMA 4x enclosure**
- **Durable Red Powder Coat Finish**
- **NFPA 1221 compliant Form C Dry Contact**
  - AC Fail
  - 70% Battery Discharge, 30% Remaining Capacity
  - Charger Fail
  - (Optional) DC Power Supply Fail
- **Output power:** 300 watt or 600 watt power supply
- **Output voltage:** 12, 24, or 48 VDC and 120 VAC systems available
- **Input:** 120 or 240 VAC, selectable
- Power supply, battery charger, and backup batteries included.  
N+1, battery and charger only, and power supply only configurations available by special order. Contact us for a quote.
- Independent battery charger
  - 230 watt, 3 stage smart charger
  - Extends battery life over trickle charger
  - Faster recharge time over trickle charger
- 35Ah, 50Ah, or 100Ah standard battery configurations
- 24 hour battery backup continuous average load ratings and recharge times, refer to the chart below to see which unit is best for your system.
- Sealed AGM Batteries
  - Extended life over flooded lead acid
  - Faster charging over flooded lead acid
  - No off-gassing
- Low Voltage Disconnect
  - Protects delicate electronics from under voltage damage
  - Prevents batteries from over discharging, extending battery life
- California Energy Commission compliant PS-C models make the following changes
  - Lithium-Iron batteries instead of AGM
  - Lithium-Iron smart charger
  - DoE level VI efficiency compliant power supply





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# PS-MU SERIES

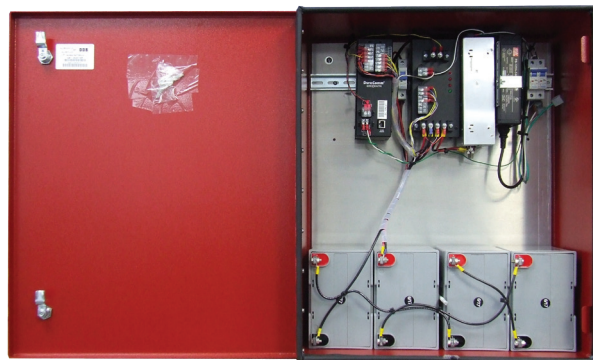
DC and AC Uninterruptible Power Supplies

## ©ENTRI SERIES

With remote monitoring and control. The Centri Series PS-MU integrates our SiteCentri unit into the PS UPS system to provide real time remote monitoring and control of your system. In addition to the standard features of our PS-Series the MU adds the following features. Given the critical nature of these systems we highly recommend this addition.

### Features

- **Alarm notifications by SNMP and email through Ethernet**
  - Power supply fail alarm, additional alarm for N+1 modules if present
  - AC fail alarm
  - Over temperature alarm
  - Battery low alarm
  - Low voltage disconnect alarm
- Remote Monitoring
  - Output Voltage and Current
  - Battery Voltage
  - Power rectifier Voltage, additional N+1 redundant power rectifier Voltage, if present
  - AC Mains Voltage
  - System Temperature
- Remote Control
  - Power rectifier on/off and N+1 redundant power rectifier on/off, if present
  - Battery backup connect/disconnect
- Internally hosted webpage, plug-and-play, no additional software required
- Internal data storage via SD card and downloadable .CSV file



| DC UPS Sizing Chart                                                                                               | Battery Capacity |           |            |            |            |
|-------------------------------------------------------------------------------------------------------------------|------------------|-----------|------------|------------|------------|
| Average Constant Current Draw                                                                                     | 7Ah              | 14Ah      | 35Ah       | 50Ah       | 100Ah      |
| <1 Amps                                                                                                           | ~6 hours         | ~12 hours | ~24 hours* | ~48 hours* | ~96 hours* |
| 1 to 2.5 Amps                                                                                                     | ~3 hours         | ~6 hours  | ~12 hours  | ~24 hours* | ~48 hours* |
| 2.5 to 5 Amps                                                                                                     | ~1 hour          | ~3 hours  | ~6 hours   | ~12 hours  | ~24 hours* |
| * Note: NFPA requires at least 24 hours of battery backup                                                         |                  |           |            |            |            |
| **Actual battery backup times may vary depending on the load, operating temperature, and the age of the batteries |                  |           |            |            |            |

| AC UPS Sizing Chart                                                                                               | Battery Capacity |           |            |            |            |
|-------------------------------------------------------------------------------------------------------------------|------------------|-----------|------------|------------|------------|
| Average Power Draw                                                                                                | 7Ah              | 14Ah      | 35Ah       | 50Ah       | 100Ah      |
| <30 Watts                                                                                                         | ~6 hours         | ~12 hours | ~24 hours* | ~48 hours* | ~96 hours* |
| 30 to 70 Watts                                                                                                    | ~3 hours         | ~6 hours  | ~12 hours  | ~24 hours* | ~48 hours* |
| 70 to 100 Watts                                                                                                   | ~1 hour          | ~3 hours  | ~6 hours   | ~12 hours  | ~24 hours* |
| * Note: NFPA requires at least 24 hours of battery backup                                                         |                  |           |            |            |            |
| **Actual battery backup times may vary depending on the load, operating temperature, and the age of the batteries |                  |           |            |            |            |