# Low Voltage Disconnects/ Power Management

The **ULM-100** is a 1RU assembly that contains numerous DC control and monitoring features that integrate power and distribution components into a highly functional system. Built in features include:


**Digital Battery Monitor and Alarm with Low Voltage Disconnect Integrates Rack Mount Rectifiers into a Fully Functional Power System.**

low voltage disconnect, digital monitor of voltage and amperage, battery disconnect breaker, and alarm contacts. The digital display monitors bus voltage, battery voltage, system output current, and low voltage connect/disconnect set points. Alarm contacts actuate on low voltage and battery disconnect conditions. Rear panel bus bars provide ample terminal landings for easy integration with rack mount rectifiers, distribution panels and batteries.

## Features

- Solid state (FET) low battery voltage disconnect with adjustable set points and manual over ride switch for system maintenance/testing, with adjustable low battery alarm contact alerting to impending system shutdown
- Digital monitor displays system bus voltage, battery voltage, total rectifier amperage, and connect/disconnect voltage set points, and system ambient temperature
- 100 amp battery disconnect breaker for system protection and easy testing and maintenance
- Form C alarm contacts
- All these functions in a compact 1RU unit, minimizing system rack space
- For use with 12, 24, and -48V systems

| Model | Voltage Range | Max. Continuous Current | Low Voltage Battery Disconnect | Size | Weight |
|---|---|---|---|---|---|
| ULM-100 | 8 - 65 VDC | 100 Amps DC | 100 Amp, Solid State (FET) | 19/23", 1 RU | 6.25 Lbs. |

The **Power Function Manager (PFM-500)** is a system integrating component which converts ordinary power supplies (or Power Modules) into a fully integrated and multifunctional power system. The unit provides for control, monitoring, paralleling and protection of 12, 24 or 48 VDC, positive negative or floating ground power sources. A built-in Low Voltage Disconnect protects batteries in the event of extended AC power loss.


## Features

- Low voltage battery disconnect protects batteries in the event of extended AC power loss
- Simplifies wiring with parallel tie point for power modules
- 12, 24 or 48 VDC input/output
- Digital meter displays: system bus voltage, battery voltage, total rectifier amperage, connect/disconnect voltage set points, and system ambient temperature
- Up to five isolated distribution circuit breaker capacity with alarm contacts; easy front panel plug-in installation
- Alarm LED (summary) indicates impending LVD disconnection, Power Module output fail or load circuit breaker trip
- Summary alarm contacts (form C) allow remote monitoring of system status
- Manual battery disconnect switch allows service/replacement of batteries without system shutdown

| Model | Voltage Range | Max. Continuous Current | Low Voltage Battery Disconnect | Size | Weight |
|---|---|---|---|---|---|
| PFM-500 | 8 - 65 VDC | 500 Amps DC | 500 Amp, Contactor | 19/23", 2 RU | 20 Lbs. |

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