



LP-3E Power Supply Unit, UPS in Enclosure

The recommended PSU (Power Supply Unit) for maintaining power to your equipment in the event of AC power interruption.



The LP-3 Power Series are specially designed to provide a stable, constant and well-regulated DC power supply of higher output rating at 12VDC/3Amp; for supporting more controllers and card readers from a single PSU. The DC output is triple-filtered and can be used with the most sensitive equipment. The design incorporates a charger that prevents the over-charging of battery, thus prolonging the life of the backup battery.

The SP-3 power module is housed in a metal enclosure that is carefully powder treated to an aesthetic finish and for environmental protection.

There are pre-positioned stand offs for controllers to be mounted inside, making it an ideal solution for access control with UPS support. The tamper protected metal enclosure cover can be easily removed to provide ample space for on-site installation. Knock outs for cable entry and vents are also provided. As standard, the PSU is supplied with 5AH back-up battery.

The LP-3 Power Series are available as follow: -

LP-3E – Complete SP-3 PSU with charger, and housed in powder-coated metal enclosure.

LP-3EB - Complete SP-3 PSU with charger AND 5AH battery, and housed in powder-coated metal enclosure.

LP-3ES – The most complete PSU; with charger, **fault supervision** and back up battery, housed in powder-coated metal enclosure.

The following controllers / interface modules can be mounted inside the LP-3 series: -

- AAN-32/AAN-100
- AIM-1/AIM-2SL
- AIO-16/AIO-8
- AIM-2DL
- APN-35



LP-3EB shown with AIM-1SL

Other Professional Power Series



LP-2EB & LP-6EB w/PDM-8

SPECIFICATIONS

Dimensions: 305 mm(H) x 305 mm(W) x 102 mm(D). 12"(H) x 12"(W) x 4"(D).

Material: Steel construction with vents, in standard gray powder coated finish.

Inputs/Outputs: 90-260 VAC inputs - 12 VDC @ 3 Amps regulated output.

Protection: Foldback current limit - Primary/secondary fused - Battery cut off to prevent over-discharge.

Operating Temperature: 0 - 50° C.

Optional: Fault Indication: Warning on Low AC/DC voltage, low battery voltage (LP-3ES).

Optional: Cam Lock with 2 keys.



FEATURES OF LP-3 SERIES

LP-3E 12/24 Power Supply/Charger LP-3ES Supervised Power Supply/Charger (12VDC @ 3 Amps / 24VDC @ 1.5 Amps)

The LP-3 Power Series are heavy duty self contained efficient off-line switching power supplies that are slide switch selectable between 12VDC at 3 Amps, and 24VDC at 1.5 Amps. Each has a precision lead acid battery charger that obtains maximum battery life while providing a 12VDC or 24VDC uninterruptible power supply for security.

The universal AC input of 90-260VAC 50 to 100 Hz allows these power supplies to be powered anywhere in the world without any alteration. The LP-3 Power Series are operational down to 50VAC; this provides excellent brown out capability. The LP-3 Power Series are electronically protected against Battery(s) reversal, shorting or overloading the output, and over heating. Each of these protective features will self-restore without removal of power or load.

The LP-3ES Power Series has the additional supervisory features of a Battery disconnect relay when battery(s) are depleted, a form "C" relay contact set that indicates AC power failure, and a set of form "C" relay contacts to indicate low battery. Depending on load, low battery trouble indicates 50-75% battery capacity remaining.

Features LP-3 Power Series:

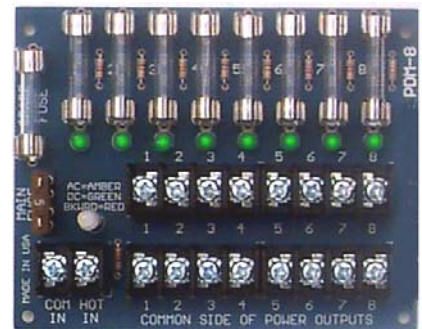
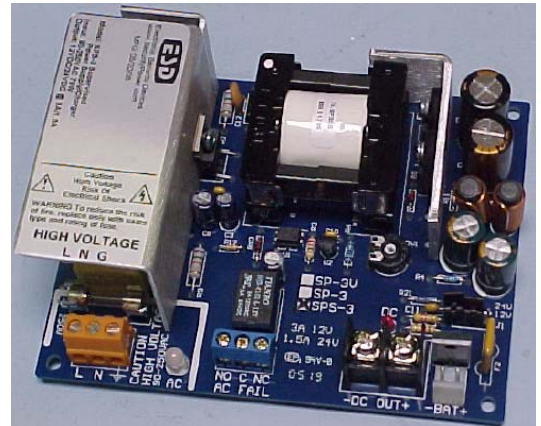
- Small – Light - Efficient Off-Line Switching Power Supply
- Self Contained, No External Transformer
- Universal AC Input 90-250VAC
- Extraordinary Brown Out Capability will Operate Down to 50VAC
- 12VDC 3A /24VDC 1.5A Slide Switch Selectable
- Input and Output High Voltage Surge Protection
- Precise Battery Regulation for Lead Acid Battery(s)
- Power Limited and Thermally Protected
- AC & DC LED's
- Auto Resetting Battery(s) Over Current Protection with Reverse Battery Protection
- Battery Online, No Drop or Switch Over with AC Power Fail
- Quality Manufactured in the USA

Additional Feature of the Supervised LP-3ES Power Series:

- Relay "C" Contacts Indicates AC Power Status
- Relay "C" Contacts Indicates Low Battery
- Green LED Indicates Power Normal
- Battery Cut-Off Relay Disconnects Battery(s) when depleted

Ordering Information

LP-3E	12/24V 3A/1.5A Non-Supervised Power Supply module comes with charger, backup battery (LP-3EB only), housed in powder-coated metal enclosure.
LP-3ES	12/24V 3A/1.5A Supervised Power Supply module comes with charger, backup battery, housed in powder-coated metal enclosure.
PDM-8	Power Distribution Module, 8-ways with individual 2A Fuse protection, use with E6 enclosure.
PW-1	Battery Supervision Module, add battery supervision capability to the LP-3E.
E3	LP-3 Power Series, Enclosure Only.



Optional Accessories
Fig: PDM-8
Power Distribution Module

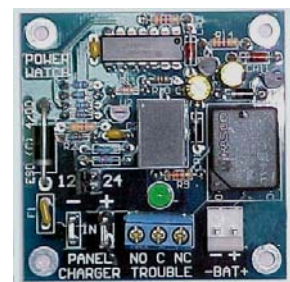


Fig: PW-1
Battery Supervision
Module for LP-3

Smarter Security Solutions

Please contact your service provider or local Apollo office for more information on this product.