LP-2E
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-2 Power Series are specially designed to ensure a stable, constant and well-regulated DC power supply to support the controllers and card readers. The power output rating of the LP-2 series is rated at 12Vdc/2Amp. The design incorporates a charger that prevents the over-charging of the battery, thus prolonging the life of the backup battery.

The LP-2 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 any access controller 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 for heat dissipation are provided. As standard, the PSU is supplied with 5.4AH back-up battery.

There are 2 models of the LP-2 Power Series available: -

LP-2E – Complete PSU with charger, housed in powder-coated metal enclosure.

LP-2EB – Complete PSU with charger, and backup battery, housed in powder-coated metal enclosure.

LP-2ES – Complete PSU with charger, fault supervision, back up battery, housed in powder-coated metal enclosure.

The following controllers / interface modules can be mounted inside:

- APN-35
- AAN-32
- AAN-100
- AIM-1SL

SPECIFICATIONS

Dimensions: 280 mm H x 280 mm W x 95 mm D.
Material: Steel construction with vents, in standard gray powder coated finish.
Inputs/Outputs: 230 Vac input - 12 Vdc @ 2 Amps regulated output.
Protection: Fold back 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-2ES).
Optional: Cam Lock with 2 keys

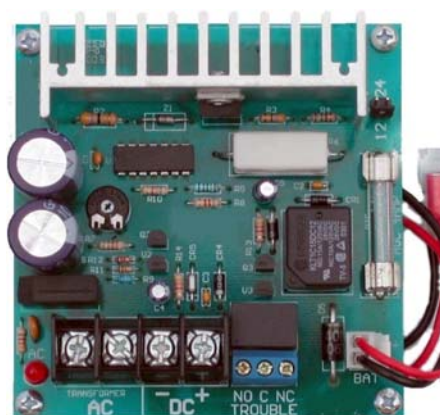## Engineered Security Systems

FEATURES OF THE LP-2 SERIES

The LP-2 Power Series output clean, continuous and linear DC that can be used to power the most sensitive electronic devices. These LP-2 Power Modules can be paralleled to double or triple the output current.

Selecting 12v or 24v with the 12/24 programming jumper sets the DC output, battery charge voltage, trip points for the supervisory relays and foldback current limiting. The battery charger will charge a Sealed Lead Acid Battery.

The current the battery draws from the LP-2 Power Series is determined by the battery's condition, capacity, temperature and state of charge. The LP-2 Power Series is protected against shorts and overloading with its electronic circuitry and battery fuse or PTC.

Features of the LP-2 Power Series:

- 12Vdc 2A /24VDC 1A jumper selectable
- Electronic current protection
- Units may be paralleled to double or triple the current
- Fused or optional "C" PTC circuit breaker
- Battery protection
- Reversed battery protected
- Precise output regulation for charging sealed lead acid or gel type batteries
- Battery online, No Drop or Switch over with AC Power Fail
- Input and Output are Surge Protected
- Power LED Indicator
- Wire ready self clamping terminal screws
- 12" Battery leads with protected plug and jack
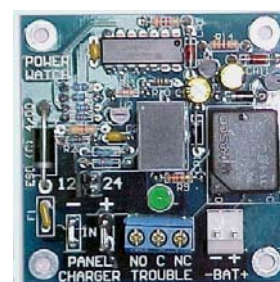- Quality manufactured in the USA

Fig: LP-2ES Power Module

Additional Feature of "Supervised" LP-2S Power Series:

- Trouble Relay "C" Contacts Indicates Low Battery and AC Power Fail
- Battery Cut-Off Relay Disconnects Battery(s) when Depleted Preventing Deep Discharge

Ordering Information

LP-2E	12/24V 2A/1A Non-Supervised Power Supply module comes with charger, backup battery (LP-2EB), housed in powder-coated metal enclosure.
LP-2ES	12/24V 2A Supervised Power Supply module comes with charger, backup battery, housed in powder-coated metal enclosure.
PW-1	Battery Supervision Module, adds supervision capabilities to an already installed LP-2E.
E2	LP-2 Power Series, Enclosure Only. Usually used as a can to house the device when used with the LP-6UPS extended UPS unit.

Fig: PW-1 Battery Supervision Module

Smarter Security Solutions

Please contact your local Apollo office representative or your dealer for more information on this product.