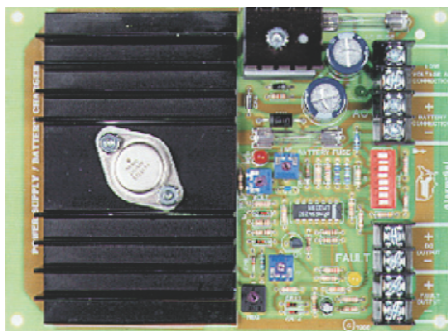




## MODULAR POWER SUPPLY/ BATTERY CHARGER



### 12/24VDC @ 3A to 5A Board Level

This family of Power Supply / Battery Chargers allows the applications engineer to provide an integrated approach to system design. These modules allow for installation and mounting within a custom cabinet or enclosure to provide power for doorstrikes, maglocks, card readers, proximity readers and other equipment used in security system integration applications. These versatile power supplies / battery chargers feature full regulation and filtering, short circuit and thermal protection, and linear design technology.

### FEATURES

- 12 or 24VDC
- 3 to 5A current capability
- Thermal protection
- Fault status reporting
- Fully regulated and filtered
- Fault relay (see specifications)
- Reverse polarity protection
- Fused battery output
- Lead acid battery compatible
- Linear technology for proximity reader compatibility
- Modular
- Limited lifetime warranty

### APPLICATIONS

- Auxiliary or system power
- Proximity or card reader power
- Local or central doorstrike power
- Local or central maglock power
- DC CCTV camera power
- Auxiliary battery charging

### SPECIFICATIONS

|                          | PS3-BD                                       | PS5-BD                 | PS5-12040-BD           | PS5-24040-BD           |
|--------------------------|--|------------------------|------------------------|------------------------|
| Output Voltage           | 12/24VDC                                     | 12/24VDC               | 12VDC                  | 24VDC                  |
| Output Current           | 3A   | 5A (Note 1)            | 5A (Note 1)            | 5A (Note 1)            |
| Ripple (RMS)             | .005VAC@.5A .14VAC@2.5A                      | .005VAC@.5A .14VAC@.4A | .005VAC@.5A .14VAC@.4A | .005VAC@.5A .14VAC@.4A |
| Input Voltage            | Note 2                                       | Note 2                 | 17.5VAC                | 28.2VAC                |
| Battery Charge Capacity  | 20Ah (Note 3)                                | 38Ah (Note 3)          | 38Ah (Note 3)          | 38Ah (Note 3)          |
| Fault Output Type        | Voltage                                      | Voltage                | Form C                 | Form C                 |
| Trouble Relay            | No   | No                     | Yes                    | Yes                    |
| Fault Detection          | AC fuse, Battery fuse, Low battery           |                        |                        |                        |
| Visual indicators (LEDs) | AC: Green, Common fault: Yellow              |                        |                        |                        |
| Temperature Range        | 32° to 120°F (0° to 50°C)                    |                        |                        |                        |
| Humidity                 | 85% @ 85°F (29.4°C)                          |                        |                        |                        |
| Fuse Type/Rating         | Glass tube, 10A battery fuse, 10A AC fuse    |                        |                        |                        |
| Dimensions               | 5.1"L x 7"W x 1.62"H (13cm x 17.8cm x 4.1cm) |                        |                        |                        |

NOTE 1: For continuous current draw derate to 4A

NOTE 2: Input voltage is dependent on the output voltage setting. 12V output requires a 17.5VAC transformer. 24V output requires a 28.2VAC transformer.

NOTE 3: Maximum current drawn from these units is affected by battery size used. Maximum allowed load current is 10% of the battery Ah rating as a dedicated battery charging current. **EXAMPLE:** To charge a 17 Ah battery from a PS5, allow 1.7 A for battery charging, which leaves 3.3 A for the system load (5-1.7=3.3).

### ORDER INFORMATION

| ORDER NUMBER | MODEL NUMBER | DESCRIPTION              | Recommended Transformer @12V ORDER # |         | Recommended Transformer @24V ORDER # |         |
|--------------|--------------|--------------------------|--------------------------------------|---------|--------------------------------------|---------|
|              |              |                          | MODEL #                              | MODEL # | MODEL #                              | MODEL # |
| 00805        | PS3-BD       | 12/24VDC 3A Power Supply | 00606                                | T12V5A  | 00607                                | T24V5A  |
| 00806        | PS5-BD       | 12/24VDC 5A Power Supply | 00606                                | T12V5A  | 00607                                | T24V5A  |
| 00844        | PS5-12040-BD | 12VDC 5A Power Supply    | 00606                                | T12V5A  | N/A                                  | N/A     |
| 00845        | PS5-24040-BD | 24VDC 5A Power Supply    | N/A                                  | N/A     | 00607                                | T24V5A  |