**PS Series**

*Regulated And Heavy Duty Unregulated DC Power Supplies*

**Features**

- Choice of 10 Models in 12V and 24V Regulated and Heavy-Duty Unregulated Versions
- Engineered Specifically to Meet the Application Requirements of the Commercial Sound Communications, and Home Electronics Industries
- Compact Size is Ideal for Shelf, Wall, or Rack Mounting
- Optional Rack Mount Accessory Shelf (Model PS-RK) Allows Convenient Installation in 19" W Equipment Cabinets

**Applications**

Utilize Atlas Sound power supplies for a wide variety of commercial sound and communications applications in industrial, institutional, service, and educational facilities. Compact series includes 12VDC and 24VDC models for use where small, economical power supplies are required. To meet the specific application needs of the sound contractor, both regulated and unregulated versions are available:

- **Unregulated Models.** Six heavy-duty units of 3/4 to 10 amp service are offered for applications that require a high current DC supply including many types of telephone, annunciator, and industrial paging systems, and installations with large numbers of relays.

- **Regulated Models.** Four assemblies of 1/2 to 4 amp service are provided for applications that require excellent regulation and extremely low ripple including transistorized and solid state control equipment and alarm/warning systems.

**General Description**

PS / RPS / TPS Series

This extensive selection of power supplies has been developed to perform under the application requirements and operational parameters of commonly used ranges in communications equipment. To guard against excessive line currents, all models are fused or circuit-breaker protected in the primary. Most units also contain fast-acting fuses located at the output to protect circuitry from accidental overload. Barrier strip output terminals allow for wire-insertion ease and protect against shorted connections.

Compact size and light weight lend themselves to convenient installation almost anywhere. Wall mounting is easily achieved via mounting ears on the 6 3/4" L models or with keyhole slots in the chassis of the larger 13 1/4" L units. In addition, four rubber feet are provided on the 13 1/4" L models for secure shelf mounting. For attractive installation in 19" W equipment cabinets, an optional factory-assembled, black textured rack mount accessory shelf (Model PS-RK) is offered to support four 6 3/4" L units or one 13 1/4" L unit. Rack shelf comes complete with front viewing hole for the power indicator light of the 13 1/4" L models and knock-outs to accommodate line cords.

Model PS-M12. Compact 12VDC (200mA) power supply has a 1/4 mini plug for direct connection to the M-1CB4A connector block (powers up to four F-1 infrared flashers).

Model TS-242. UL Listed unit is used for a variety of applications that do not require a regulated supply. Model includes a 117VAC unswitched outlet, neon pilot lamp, barrier-type terminals, and perforated grille for ventilation. Finished in black epoxy. Unit can be rack mounted using shelf Model PS-RK.

All models are finished in black epoxy; larger units also include a cover finished in textured black epoxy. Assemblies include a 6" heavy-duty AC power cord and are completely enclosed with the exception of the larger 13 1/4" L units which have a perforated grille for proper ventilation.
Heavy Duty Unregulated Power Supplies

**PS-M12**

- **Input**: 120VAC, 60Hz, 5 Watts
- **Output (Nominal)**: 200mA
- **Ripple @ Full Load**: Less Than 2.5%
- **Regulation 0 - Full Load**: 16.5V – 11.5V
- **Length**: 1½” (38mm)
- **Width**: 1½” (38mm)
- **Height**: 2½” (56mm)
- **Weight**: .8 lb (.4kg)

**PS24-075**

- **Input**: 117VAC, 60Hz, 26 Watts
- **Output (Nominal)**: 24VDC, ¾ Amp
- **Ripple @ Full Load**: Less Than 1.5%
- **Regulation 0 - Full Load**: 26V – 22V
- **Fuse**: Primary
- **Length**: 6½” (171mm)
- **Width**: 3⅞ (92mm)
- **Height**: 2” (51mm)
- **Weight**: 3.5 lb (1.6kg)

**PS24-20**

- **Input**: 117VAC, 60Hz, 70 Watts
- **Output (Nominal)**: 6, 12, 24VDC, 2 Amp
- **Ripple @ Full Load**: Less Than 2.5%
- **Regulation 0 - Full Load**: 27V – 22V
- **Fuse**: Primary
- **Length**: 6½” (171mm)
- **Width**: 3⅞ (92mm)
- **Height**: 4” (102mm)
- **Weight**: 4.5 lb (2.0kg)

**PS24-50A**

- **Input**: 117VAC, 60Hz, 170 Watts
- **Output (Nominal)**: 24VDC, 5 Amp
- **Ripple @ Full Load**: Less Than 2.5%
- **Regulation 0 - Full Load**: 29V – 33V
- **Pilot Lamp**: Yes
- **Fuse**: Primary, Secondary
- **Length**: 13¼” (337mm)
- **Width**: 6⅛ (159mm)
- **Height**: 4¾” (121mm)
- **Weight**: 15 lb (6.8kg)

**TS242**

- **Input**: 105 - 125VAC, 60Hz, 74 Watts
- **Output (Nominal)**: 24VDC, 2 Amp
- **Ripple @ Full Load**: Less Than 0.5%
- **Regulation 0 - Full Load**: 28V – 22.4V
- **Pilot Lamp**: Yes
- **Fuse**: Primary, Secondary
- **Length**: 3¼” (99mm)
- **Width**: 107⅛” (276mm)
- **Height**: 6” (152mm)
- **Weight**: 10 lb (4.5kg)

**Architect and Engineer Specifications**

Power supply shall be Atlas Sound Model ______. It shall be capable of supplying ____ amps at ____ volts. Ripple shall be ____ at full load. Primary circuit shall be protected by (fuse, circuit breaker). Mounting provisions shall be integral to the chassis design. Size shall be ____.
Regulated Power Supplies

RPS24-05

Input 117VAC, 60Hz, 26 Watts
Output (Nominal) 24VDC, \( \frac{1}{2} \) Amp
Ripple @ Full Load .5mV
Regulation 0 - Full Load 500mV
Fuse Primary, Secondary
Length 6\( \frac{1}{4} \) (171mm)
Width 3\( \frac{1}{4} \) (92mm)
Height 2" (51mm)
Weight 3 lb (1.4kg)

PS24-2R

Input 105 - 125VAC, 60Hz, 110 Watts
Output (Nominal) 24VDC, 2 Amp
Ripple @ Full Load .5mV
Regulation 0 - Full Load 500mV
Pilot Lamp Yes
Fuse Primary, Secondary
Length 13\( \frac{3}{4} \) (337mm)
Width 6\( \frac{1}{4} \) (159mm)
Height 4\( \frac{3}{4} \) (121mm)
Weight 15.5 lb (7.0kg)

PS24-4R

Input 105-125VAC, 60Hz, 210 Watts
Output (Nominal) 24VDC, 4 Amp
Ripple @ Full Load 1mV
Regulation 0 - Full Load 300mV
Pilot Lamp Yes
Fuse Primary, Secondary
Length 13\( \frac{3}{4} \) (337mm)
Width 6\( \frac{1}{4} \) (159mm)
Height 4\( \frac{1}{2} \) (121mm)
Weight 16.5 lb (7.5kg)

RACK MOUNT ACCESSORY SHELF (MODEL PS-RK)

Size (L x W x H): 19" x 8" x 5\( \frac{1}{4} \) (483 x 203 x 133mm)
- Plug provided for viewing hole when not mounting 13\( \frac{3}{4} \) L chassis
- Holds up to (4) 6\( \frac{1}{4} \) L chassis or (1) 13\( \frac{3}{4} \) L chassis