



# 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 ¼ 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 ½ 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 6¾" L models or with keyhole slots in the chassis of the larger 13¼" L units. In addition, four rubber feet are provided on the 13¼" 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 6¾" L units or one 13¼" L unit. Rack shelf comes complete with front viewing hole for the power indicator light of the 13¼" L models and knock-outs to accommodate line cords.

**Model PS-M12.** Compact 12VDC (200mA) power supply has a ¼" 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 13¼" L units which have a perforated grille for proper ventilation.



PS24-075



PS24-20



PS24-2R



PS24-4R,  
PS24-50A

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## 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	6¾" (171mm)
Width	3⅝" (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	6¾" (171mm)
Width	3⅝" (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	6¼" (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	3⅞" (99mm)
Width	10⅞" (276mm)
Height	6" (152mm)
Weight	10 lb (4.5kg)



**PS-M12**

## 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 \_\_\_\_.



**PS-RK**

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## Regulated Power Supplies

### RPS24-05

Input	117VAC, 60Hz, 26 Watts
Output (Nominal)	24VDC, ½" Amp
Ripple @ Full Load	.5mV
Regulation 0 - Full Load	500mV
Fuse	Primary, Secondary
Length	6¾" (171mm)
Width	3⅝" (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	13¼" (337mm)
Width	6¼" (159mm)
Height	4¾" (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	13¼" (337mm)
Width	6¼" (159mm)
Height	4¾" (121mm)
Weight	16.5 lb (7.5kg)



**RPS24-05**



**TS242**

### RACK MOUNT ACCESSORY SHELF (MODEL PS-RK)

Size (L x W x H): 19" x 8" x 5¼" (483 x 203 x 133mm)

- Plug provided for viewing hole when not mounting 1¾" L chassis
- Holds up to (4) 6¼" L chassis or (1) 13¼" L chassis

