



REGULATED AND HEAVY DUTY UNREGULATED DC POWER SUPPLIES

PS Series,
PS-RK, RPS24-05,
TPS24-05, TS242



PS12-10 PS-M12



PS24-075 RPS24-05 TPS24-05



PS24-20



(Front View)



(Back View)

PS24-2R (Shown)
PS24-50A PS24-4R



TS242

FEATURES

- Choice of 10 Models in 12 and 24 Volt Regulated and Heavy-Duty Unregulated Versions
- Engineered Specifically to Meet the Application Requirements of the Commercial Sound Communications Industries, and Home Electronics
- 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 12 and 24 VDC 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 ¾ 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 13¾" L units. In addition, four rubber feet are provided on the 13¾" 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 13¾" L unit. Rack shelf comes complete with front viewing hole for the power indicator light of the 13¾" L models and knock-outs to accommodate line cords.

Model PS-12-10. Compact 12 VDC (1 Amp) power supply designed for use with up to 12 switched WhisperTouch® volume controls.

Model PS-M12. Compact 12 VDC (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) or for use with up to three switched WhisperTouch volume controls.

Model TS-242. UL Listed unit is used for a variety of applications that do not require a regulated supply. Model includes a 117 VAC 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 13¾" L units which have a perforated grille for proper ventilation.

Specifications subject to change without notice



1601 JACK MCKAY BLVD. / ENNIS, TEXAS 75119 U.S.A. / TELEPHONE: (800) 876-3333 / FAX (800) 765-3435



PS12-10 PS-M12



PS24-075
RPS24-05 TPS24-05



PS24-20 PS24-1R



PS24-50A
PS24-2R PS24-4R



TS242

HEAVY DUTY UNREGULATED POWER SUPPLIES

MODEL	INPUT	OUTPUT (NOMINAL)	RIPPLE @ FULL LOAD	REGULATION 0 - FULL LOAD	PILOT LAMP	FUSE	SIZE L x W x H	WEIGHT
PS-M12	120 VAC 60 Hz, 5 W	12 VDC 200mA Amp	Less Than 2.5%	16.5-11.5V	-	-	1½" x 1½" x 2½" (38 x 38 x 56mm)	.8 lb (.4 kg)
PS12-10	105 - 130 VAC 60 Hz, 20 W	12 VDC 1 Amp	Less Than 7.5%	16.5-11.5V	-	-	3" x 2½" x 2¼" (76 x 66 x 58mm)	1.3 lb (.6 kg)
PS24-075	117 VAC 60 Hz, 26 W	24 VDC ¾ Amp	Less Than 1.5%	26-22 V	-	Primary	6¾" x 3¾" x 2" (171 x 92 x 51mm)	3.5 lb (1.6 kg)
PS24-20	117 VAC 60 Hz, 70 W	24, 12, 6 VDC 2 Amps	Less Than 2.5%	27-22 V	-	Primary	6¾" x 3¾" x 4" (171 x 92 x 102mm)	4.5 lb (2.0 kg)
PS24-50A	117 VAC 60 Hz, 170 W	24 VDC 5 Amps	Less Than 2.5%	29-23 V	X	Primary Secondary	13¾" x 6¼" x 4¾" (337 x 159 x 121mm)	15 lb (6.8 kg)
TS242	105-125 VAC 60 Hz, 74 W	24 VDC 2 Amp	Less Than 0.5%	28 - 22.4 V	X	Primary Secondary	3¾" x 10¾" x 6" (99 x 276 x 152mm)	10 lb (4.5 kg)

REGULATED POWER SUPPLIES

MODEL	INPUT	OUTPUT (NOMINAL)	RIPPLE @ FULL LOAD	REGULATION 0 - FULL LOAD	PILOT LAMP	FUSE	SIZE L x W x H	WEIGHT
RPS24-05	117 VAC 60 Hz, 26 W	24 VDC 1/2 Amp	.5 mV	500 mV	-	Primary Secondary	6¾" x 3¾" x 2" (171 x 92 x 51mm)	3 lb (1.4 kg)
PS24-2R	105-125 VAC 60 Hz, 110 W	24 VDC 2 Amps	.5mV	500 mV	X	Primary Secondary	13¾" x 6¼" x 4¾" (337 x 159 x 121mm)	15.5 lb (7.0 kg)
PS24-4R	105-125 VAC 60 Hz, 210 W	24 VDC 4 Amps	1mV	300 mV	X	Primary Secondary	13¾" x 6¼" x 4¾" (337 x 159 x 121mm)	16.5 lb (7.5 kg)
*TPS24-05	117 VAC 60 Hz, 26 W	24 VDC 1/2 Amp Talk Line	.5 mV	500 mV	-	Primary	6¾" x 3¾" x 2" (171 x 92 x 51mm)	3 lb (1.4 kg)

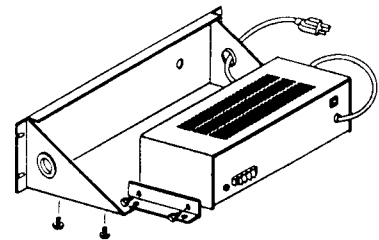
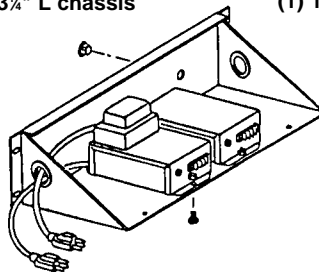
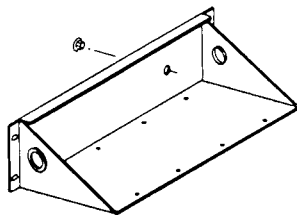
* For use with telephone intercom stations. See SL8-1434.

RACK MOUNT ACCESSORY SHELF (MODEL PS-RK)

Size (L x W x H): 19" x 8" x 5½" (483 x 203 x 133mm)

• Plug provided for viewing hole when not mounting 13¾" L chassis

• Holds up to (4) 6¾" L chassis or (1) 13¾" L chassis



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 ____.

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