Exceptionally rugged and reliable, the S700 stereo power amp is ideal for larger live sound venues, commercial installations and powering small PA systems. The S700 features dual fans that actually speed up as the temperature increases for maximum operational efficiency. It also has a bipolar design for stable performance, long life and enhanced audio quality. The front panel includes two input level controls with 41 detents for greater precision along with 3-segment output LED metering. To prevent speaker damage, the S700 has two protection LEDs and special relay-controlled outputs linked to the protection LEDs.

- Stereo power amplifier in two rack spaces
- 350 watts a side into 4 ohms
- 700 watts into 8 ohms in bridged mono mode
- Dual temperature-sensitive, speed-controlled fans for maximum reliability
- A stable bipolar design for long life and enhanced audio performance
- Two front-panel input level controls with 41 detents for greater accuracy
- 3-segment output LED metering.
- Dual protection LEDs and special relay-controlled outputs linked to the protection LEDs to avoid speaker damage in case of fault
- Banana jack outputs with Speakon™ connectors
- XLR inputs and locking TRS inputs
- Resettable fuse
- Parallel outputs to "daisy-chain" several amps together.
The power amplifier shall be capable of stereo, mono bridged or parallel (daisy chain) operation. In stereo mode, it shall deliver a minimum of 350 watts into loads of 4 ohms each with both channels operating. In mono bridge mode, it shall deliver a minimum of 700 watts into an 8 ohm load. It shall be cooled by two temperature sensitive speed-controlled fans, and shall have internal short-circuit and thermal protection circuitry. A protection LED indicator shall activate and the power amplifier shall shut down to protect against short circuits, overheating, severe overcurrent conditions or DC offset present at the outputs. The power amplifier shall have slow start-up and muted inputs on turn-on. Inputs shall be on XLR and locking balanced 1/4″ tip-rings-sleeve connectors. Outputs shall be on Banana jack and Speakon™ connectors. The front panel shall have independent level controls for left and right channels, a master power switch and LED indicators for power, clip, -20dB, -40dB and amplifier protection.

The power amplifier shall have a frequency response of 10 Hz to 20 kHz, signal-to-noise equal to or greater than 105 dB and THD less than 0.03%. The dimensions shall allow for standard 19″ EIA rack mounting. It shall be 3.75″ (95.25 mm; 2 rack spaces) high and 9.75″ (247 mm) deep. Weight shall be 31 lb. (14 kg). The power amplifier shall carry a three-year warranty.

The power amplifier shall be a SAMSON S700.

**S700 SPECIFICATIONS**

- **Rated Output Power, per channel (1 kHz, THD 0.1%, Both Ch Drive)**
  - Stereo / Parallel modes
    - per channel (into 4 ohms) 360 W
    - per channel (into 8 ohms) 250 W
  - Bridged mode
    - per channel (into 8 ohms) 720 W
- **Frequency Response**
  - 10 Hz - 20 kHz
- **Total Harmonic Distortion**
  - (1/2 power @ 20 Hz - 20 kHz, Both Ch Drive into 4 ohms) 0.04%
- **Dynamic Range**
  - 105 dB
- **Channel Separation (4 ohm, 125 W, 1 kHz)**
  - (Att. Min.) .68 dBu
  - (Att. Max.) .74 dBu
- **Residual Noise (0 dB ref. = .775 VAC rms, 22 Hz - 22 kHz)**
  - (Att. Min.) -68 dBu
  - (Att. Max.) -74 dBu
- **Voltage Gain (4 ohm, 1 kHz)**
  - 33.5 dB
- **DC Offset Voltage**
  - 0 ± 100 mV
- **Damping Factor**
  - More than 200

**Indicators**

- Clipping LED 1 kHz THD 0.1%
- Signal LED Right -20 dB ± 2 dB
- Signal LED Left -40 dB ± 2 dB

**Dimensions**

- 19 in (w) x 15.5 (d) x 3.5 (h)
- 482 mm (w) x 394 (d) x 95.25 (h)

**Rackspaces**

- 2U

**Weight**

- 31 lbs. • 14 kg

Specifications subject to change without notice. ©1999–2003 Samson