Powerflex Amplifiers

POWERFLEX 4400 FOUR CHANNEL

POWERFLEX 6250 SIX CHANNEL

With a vast array of multimedia products now incorporated into a most diverse mix of installations (each with its multiple zones and sub zones) the need for multichannel amplification has never been greater. Ashly rises to the occasion with the Powerflex—a revolutionary line of intelligently designed multichannel power amplifiers.

Using a state of the art, high-speed MosFet switching design with spread spectrum switching technology, the Powerflex provides uncompromised power with an efficiency of up to five times greater than conventional Class A or AB linear power amplifiers. The exceptional efficiency of Powerflex greatly reduces wasted power (heat) and delivers clean audio fidelity through four or six independent channels!

These channels may be used as individual, independent power amplifiers with more than enough power for nominal audio applications. Channels may be bridged in pairs—the Powerflex 6250, for instance, has been designed to function as six independent 25 Volt or, when configured in bridged mode, up to three independent 70 Volt amplifiers without the need of external transformers. Of course, Powerflex is covered by our exclusive 5-year, Worry-Free warranty.

FEATURES:

- Six Channel Amplifier -150W/Ch @ 8ohms, 250W/Ch @ 4ohms
- Four Channel Amplifier— 275W/Ch @ 8ohms, 400W/Ch @ 4ohms
- 25V and 70V System Applications (6250 only)
- High-Speed Switched MosFet Output Design with Spread Spectrum Switching Technology
- Superior Efficiency Over Conventional Linear Amplifiers
- Input Module with Level Controls Located on Rear Panel
- Switchable HPF on Inputs
- XLR—1/4”, Euroblock Input Connections
- 5-Way Binding Post Output Connections
- Individual Channel Front Panel Level and Protection Indicators
- Multiple Protection Circuits
- Exceptional Audio Fidelity
- Bridgeable Channel Pairs
- Internal Modular Design
- Quiet, Three-Speed Fan
- Front In/Rear Out Channeled Air- Flow

POWERFLEX AMPLIFIER SPECIFICATIONS:

6250: Power output: (per channel, six channels driven at 1kHz, 0.1%THD)

8ohms:	150 Watts RMS
4ohms:	250 Watts RMS
(bridged mono mode)	
8ohms:	500 Watts RMS
70V:	500 Watts RMS

4400: Power output: (per channel, four channels driven at 1kHz, <0.1%THD)

8ohm:	275 Watts RMS
4ohm:	400 Watts RMS
Mono Bridged (2 channels)	
8ohm:	800 Watts RMS
Frequency response:	
8ohm:	+/-0.5dB 20Hz-20kHz
4ohm:	+/-1.5dB 20Hz-20kHz

Full power input sensitivity: 1.05V RMS (2.6dBu) (6250)
1.25V RMS (4.15dBu) (4400)

Total harmonic distortion: <0.2% (rated power, 8ohms, 20Hz-20kHz)

SMPTE IM distortion (60Hz/7kHz 4:1): <0.2%, 8ohms

Output hum and noise:	-100dB from full output (20Hz-20kHz, A-weighted)
High Pass Filter:	50Hz, 12dB/octave
Voltage Gain:	32X (30.1dB)
Crosstalk:	< -80dB (20Hz - 1kHz)
Signal Present Signal Sensitivity:	13mV RMS (-35.5dBu)
Input impedance:	10kOhm balanced, 37kOhm unbalanced
Cooling:	Forced Air, Thermal Sensitive 3-Speed Fan, Front Inlet/Rear Outlet
Connections:	Input: XLR - 1/4” (Pin 2 Hot, Tip Hot), Euroblock Output: 5-Way Binding Post
Power requirements:	110-125VAC, 220-250VAC, 50/60Hz
Typical Idle Current 6250 (4ohm load x 6 Channels):	
120V:	0.81A
240V:	0.42A
Typical Idle Current 4400 (4ohm load x 4 Channels):	
120V:	0.9A
240V:	0.5A
Current with Typical Audio Program Material 6250 (4ohm load x 6 Channels):	
120V:	12A
240V:	6A
Current with Typical Audio Program Material 4400 (4ohm load x 4 Channels)	
120V:	7A
240V:	3.5A
Size:	19”W x 5.25” H x 16.5” D
Shipping weight:	45lbs

Specification conditions are: 120VAC mains at 60Hz, 25° C