

PA-6312/6336/6348

120/360 and 480 watts Commercial PA Amplifiers



Overview

PA-6312/6336/6348 are Inter-M's best-selling commercial PA amplifiers. They are recognized for their ruggedness, reliability and performance. They are the installer's choice for sound reinforcement, background music, paging, and public address systems. Featuring low-distortion, low-noise amplifier electronics circuits which provides a high-output and a high S / N ratio. PA 6300 series amps provide a wide dynamic range with excellent headroom. An onboard High Pass Filter protects both amplifier and speakers from damaging transients. A comprehensive thermal/electrical protection circuit ensures long-haul dependability. Thermister protected output helps ensure overall stability and provides input overload protection. Internal airflow and exceptionally quiet multi-stage fans ensures amplifier cooling. Phoenix-style terminals provides for quick, easy hookup. Models are available in a variety of output power, 120, 360 and 480 watts power output in 8/4 ohm low impedance and in 70/100V high impedances output using low-distortion transformers. The PA 6300 series offers outstanding versatility, long term reliability, and a remarkable value for any installation application.

Features

- High power - low noise circuit
- 400Hz HPF (High Pass Filter)
- -12dB gain adjustment
- Output level indicators
- Rack Mountable
- High reliability
- Thermal Protection

Technical Specifications

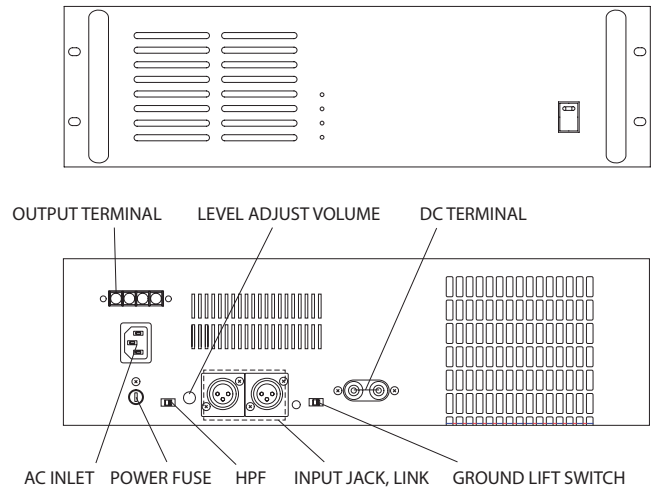
| | PA-6312 | PA-6336 | PA-6348 |
|-----------------------------------|---|-------------|------------------|
| Rated Output Power (THD 5%, 1kHz) | 120W | 360W | 480W |
| Frequency Response (+1/-3dB) | 70Hz-18kHz | | |
| T.H.D | Less than 1% | | Less than 5% |
| High Pass Filter | 400Hz, -3dB | | |
| Gain Control | 0dB ~ -12dB | | |
| S/N | Better than 95dB | | Better than 90dB |
| Input Sensitivity/Impedance | 1V/10kΩ Balanced | | |
| Output Voltage/Impedance | 4Ω/22V | 4Ω/38V | 4Ω/43.8V |
| | 41Ω/70V | 13.6Ω/70V | 10.2Ω/70V |
| | 83Ω/100V | 27.8Ω/100V | 20.8Ω/100V |
| Operating Temperature | -10°C ~ +40°C / 14°F ~ 104°F | | |
| Power Source | 100-120VAC or 220-240VAC; 50/60Hz, 24VDC (Supplied AC mains transformer depends on country requirements) | | |
| Power Consumption (1/8 power) | 130W | 450W | 600W |
| Weight (SET) | 14kg/30.8lb | 19kg/41.9lb | 22kg/48lb |
| Dimensions (SET) | 482(W) x 132(H) x 280(D)mm / 19(W) x 5.2(H) x 11(D)in | | |

PA-6312/6336/6348

120/240/360 and 480 watts Commercial PA Amplifiers

Application

The PA-63000 Series amplifiers are high power output high quality rugged and reliable amplifiers to design to be used with the 6000 series mass communication system. Because of their outstanding versatility they have been the installer's choice for sound reinforcement, background music, paging, and public address systems.



Block Diagram

