

HN-IA2500-E

POWER AMPLIFIER

HN-IA2500-E is a high efficient 2X500W Power/Booster amplifier provides audio signal amplification for public address and voice alarm system, It is reliable, efficient and light weight.



FEATURES AND BENEFIT



100V & 4-16 OHMS Transformer- Less Design



Super Class-D topology full bandwidth PWM Modulator
Ultra-low distortion



Led Status Indications



Output Short-Circuit and Thermal Protection

TECHNICAL SPECIFICATIONS

| MODEL NUMBER | HN-IA2500-E |
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| Number of Input Channels (Analog) | 2 |
| Number of Output Channels | 2 |
| Input Connectors (Signal Input) | 2 x XLR, 2 x 3-pin Phoenix, 2 x RCA (Phono) |
| Output Connectors (Speaker Output) | 2 x 2-pin Phoenix |
| Output Gain Knob (Volume Knob) at the rear panel | 2 |
| Model Selector - Normal or Bridged (Rear Panel) | Press for Bridge Mode and Release for Normal Mode |
| Front Panel LED Indications | Power, Signal, Protect, Clip |
| Maximum Output Power @ 4Ω | 2 x 500W |
| Maximum Output Power @ 8Ω | 2 x 500W |
| Maximum Output Power @ 70V/100V (Direct Drive) | 2 x 500W |
| Maximum Output Power @ 4Ω Bridged (Channel Pair) | 1 x 1000W |
| Maximum Output Power @ 8Ω Bridged (Channel Pair) | 1 x 1000W |
| Maximum Output Power @ 70V/100V Bridged (Channel Pair) | 1 x 1000W |

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| Output Circuitry | Class D - full bandwidth PWM modulator with ultra low distortion, 90% efficiency. |
| Input Sensitivity | 1.4V (+4 dBu) |
| Amplifier Gain | 1.4V (+4 dBu) |
| Signal To Noise-Ratio | > 119 dB (A-weighted, 20 Hz - 20 kHz, 8Ω load) |
| THD+N (typical) | < 0.05 % (20 Hz - 20 kHz, 8Ω load, 3 dB below rated power) |
| Frequency Response | 20 Hz - 20 kHz (+0/-0.25 dB (8Ω load, 3 dB below rated power) |
| Damping Factor | >2000, each channel (8Ω load, 1 kHz and below) |
| Protection Circuits | Short circuit protection, DC protection, under voltage protection, temperature protection, overload protection |
| Power Supply | Universal mains switch mode power supply with Power Factor Correction (PFC) & integral standby converter |
| Input Voltage (AC) | Universal Mains with PFC, 90-270 VAC @ 50Hz to 60Hz |
| Operating Temperature & Humidity | -10°C to 50°C @ 90% relative humidity (non condensing) |
| Cooling | Fan, variable speed, temperature controlled, front to rear airflow |
| CE & RoHS Standards | Complaint to CE & RoHS |
| Safety Standards | Complaint to IEC/EN 60065:2001 (7th E) + A1:2005 = A2:2010 |
| | Complaint to IEC/EN/UL 62368-1: 2014 (2nd E) |
| | Complaint to EN 60065:2002 + A1:2006 + A11: 2008 + A2:2010 + A12:2011 |
| | Complaint to EN 62368:2014 |
| | Complaint to CSA C22.2 NO.62368-1-14:2014 |
| | Complaint to UL 62368:2014 |
| Electro Magnetic Compliance (Emission) | Complaint to EN 55032:2012 with EN 55032:2012 AC 2013 |
| | Complaint to EN 55032:2012 with EN 55032:2012 AC 2013 |
| | Complaint to EN 61000-3-3:2013 |
| Electro Magnetic Compliance (Immunity) | Complaint to EN 55103-2:2009 |
| | Complaint to FCC part 15 sub part B |

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| AC Input Power Cord | 230V/10A - 3 Pin Power Cord (Fixed) |
| Input AC Power in watts, when both channels are driven (In Bridge Mode), Pink Noise input @ 230V AC input | 492W |
| Net Weight | 8.50 Kg |
| Gross Weight | 10.00 Kg |
| Product Dimension | 530 mm x 482 mm x 88 mm (L x W x H) |

For more information,

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