

HPX4600

Stereo power amplifier 2 x 2300 W at 2 ohm with switchable CLIP limiter

Description

Light-weight and easily manageable, the HPX series amplifiers offer practicality as one of their primary features. Their switching mode power supplies and efficient cooling systems make them particularly suited for use in compact and portable systems and, at the same time, make them reliable and durable even after years of intense use. Thanks to the combination of an efficient 3-tier CLASS H power stage and a reliable switching power supply, the HPX4600, can deliver 4600 watts total at 2 ohm load making it a very convenient source of power in even the most demanding sound reinforcement applications. With an overall efficiency higher than 75% and a comprehensive set of controls, including a 3-position GAIN selector and switchable SOFT CLIP LIMITERS, the HPX4600 represents a cost-effective solution also for large sound reinforcement systems requiring very high power levels combined to top quality performance. The front panel, which offers convenient, die-cast handles and a removable dust filter, provides a comprehensive system of LED status indicators and indexed level controls.

Technical Specifications HPX4600

Power 8 ohm * 850W
Power 4 ohm * 1400W
Power 2 ohm ** 2300W
Power BRIDGE 8 ohm * 3000W
Power BRIDGE 4 ohm ** 4600W
Output Stage 3-tiers CLASS H
Frequency response (+0/-0.5 dB) 20 Hz - 20 KHz
Input Sensitivity (nominal) 0 dBu / 0.775Vrms: 40 dB
1.0 Vrms (0 dBV): 38 dB
+8 dBu / 1.95Vrms: 32 dB
Input Sensitivity (fixed gain)
GAIN (nominal/fixed)
Input Connectors / Impedance XLR M (with XLR F LINK), 20 Kohm (balanced), 10 Kohm (unbalanced)
Output Connectors SPEAKON and Binding Post
Damping Factor > 200
Slew Rate > 20 V/uS



S/N Ratio (unweighted) > 90 dB

THD+N

Controls INPUT LEVEL, INPUT SENSITIVITY, STEREO/BRIDGE/PARALLEL, LOW PASS NOTCH (LPN), GND LIFT

LED Indicators POWER, ON, PARALLEL, BRIDGE, SIGNAL, LIMIT, PROTECT

Cooling Variable speed DC fan

Protections AC low power, DC, thermal, short circuit, VHF, CLIP limiter, SOFT CLIP limiter

Mains Supply Voltage 230 VAC ($\pm 10\%$) 50/60 Hz or 120VAC ($\pm 10\%$) 50/60 Hz

Maximum Consumption 2330 VA

Rated Consumption *** 620 VA

Standby Consumption 5 VA

Dimensions (W x H x D) 483 x 89 x 505 mm

19" x 3.5" x 19.9"

Weight 13 Kg (28.7 lb)

* RMS both channel THD \hat{A}

** 40 ms burst \hat{A}

*** Rated consumption is measured with pink noise with a crest factor of 12 dB, this can be considered a standard music program.