

X-DA Honeywell High Efficiency Class D Digital Power Amplifier

Product ID: X-DA



Short Description

X-DA1500/X-DA1500EN (1x500W)

X-DA2250/X-DA2250EN (2x250W)

X-DA4125/X-DA4125EN (4x125W)

X-DA4060 (4x60W)

Description

X-DA highly efficient digital power amplifier series is the first digital power amplifier series certified by China Certification Center for Fire Products Ministry of Public Security (CCCF). The more compact, more stable, more enjoyable and more economical design together offer users a joyful experience.

Available models:

X-DA1500/X-DA1500EN (1x500W)

X-DA2250/X-DA2250EN (2x250W)

X-DA4125/X-DA4125EN (4x125W) and
X-DA4060 (4x60W)

- ? Main and Backup Power Supplies
- ? Power Supply Protection
- ? Overheating Protection
- ? Overload and Short-circuit Protection
- ? Fault Monitoring and Output
- ? Self-test Function

Differences between standard version and "EN" version:

Both the X-DA2250EN and X-DA2250 belong to Honeywell's X-DA high-efficiency Class-D power amplifier series and share the same core audio performance, including 2 × 250 W output power and support for 100V / 70V line systems.

However, the X-DA2250EN is an enhanced and standardized version compared to the standard X-DA2250, with the following key differences:

1, 24V DC Backup Power Supply

The X-DA2250EN is equipped with a 24V DC backup power input, allowing the amplifier to continue operating during mains power failure.

The standard X-DA2250 does not include this backup power feature.

2, Voice Alarm System Compliance

The EN version is designed to meet Voice Alarm (VA) system requirements, making it suitable for emergency and life-safety applications.

The standard version is mainly intended for general PA applications without specific VA compliance.

3, Higher Reliability for Critical Applications

With backup power support and standardized safety design, the X-DA2250EN is more suitable for fire alarm, emergency broadcasting, and public safety systems.

Specification

Parameter	Value						
Model	DA-1500	DA-1500 EN	DA-2250	DA-2250 EN	DA-4060	DA-4125	DA-4125 EN
Nominal output power	1x500W		2x250W		4x60W	4x125W	
Main power supply voltage	~ 220 - 240V, 50/60 Hz						
Backup power supply voltage	~ 220 - 240V, 50/60Hz		~ 220 - 240V, 50/60Hz		~ 220 - 240V, 50/60Hz	~ 220 - 240V, 50/60Hz	
DC Backup power operating voltage		21.5 V - 28.5V DC		21.5 V - 28.5V DC			21.5 V - 28.5V DC
Power consumption	<720W	<700W	<720W	<700W	<320W	<720W	<700W
Main power supply protection	T10 AL 250V				T3.15 AL 250V	T10 AL 250V	
Speaker output voltage	100V / 70V						
Frequency response	70Hz - 18KHz? +1dB ~ -3dB?						
Input sensitivity	1.414 VRMS						
Impedance	20 k?						
SNR	>100dB (with A-Weight)				>90dB (with A-Weight)	>100dB (with A-Weight)	

Non-linear distortion	< 0.05% (at 1/3 rated power, 1KHz)							
Indicator lights	Power indicator light Main power fault light Backup power fault light Signal lights Peak clipping lights Equipment protection lights							
Number of channels	1	1	2	2	4	4	4	
Operating conditions	95% humidity, 0°C ~ +40°C (0 ~ 104°F) (no condensation)							
Storage temperature	-10°C ~ +55°C (14°F ~ 131°F)							
Cooling method	Air cooling							
Product dimensions (W×H×D)	416×88×483mm				482×88×420mm	416×88×483mm		
Package dimensions (W×H×D)	489×186×568mm				580×235×552mm	489×186×568mm		
Net weight (Kg)	11.3	10.8	12.2	11.7	10.6	12.9	11.4	
Gross weight (Kg)	14.4	13.9	15.3	14.8	13.7	16.0	15.5	

Product Gallery

