

# HD Series Amplifier

## OPUS INTEGRATED SYSTEM™ COMPONENT SPECIFICATIONS

### Applications:

- All Opus systems

### Features:

- Modular channels (350W to 2500W)
- Modules matched to individual speakers
- Cool running
- Fail-safe system protection
- Ultra high fidelity sound definition
- Sequential system power-up & un-mute
- Soft mute / un-mute
- Automatic restart after mains supply interruption
- Minimum signal path
- Unconditionally stable in hostile environments

The heart of any Opus system, HD Series Power Converters are hi-fi amplifiers on industrial scale. They deliver a degree of clarity and detail previously unattainable in high power sound reinforcement systems, while setting new benchmark standard of reliability.

Two independent channel modules are contained in a 19" rack-mount format, each one optimised for specific drivers in specific loudspeakers within the Integrated System. Output powers are managed so that loudspeakers, particularly delicate HF drivers, can never be over driven.

At the same time the OpusCOOL™ cooling system quietly exchanges hot air up to 56 litres per second, ensuring that even the most powerful HD module reaches no more than 45°C above ambient. Even when run indefinitely at full output. This ensures both consistent performance and long term reliability.

The OpusGUARD™ micro controller management system intelligently monitors all amplifier parameters and protects against faults, as well as providing sequential system power-up and soft un-mute.



Configuration	2 x Channel Module
Modules available	2500W 1500W 1250W 500W 350W
Cooling System	OpusCOOL™
Airflow	56litres per sec (maximum)
Operating temperature	Max 45°C above ambient
Protection System	OpusGuard™
Metering (per channel)	Input 10 LED Thermal 5 LED
Visual Indicators	Auxiliary Power On, Channel Power On Mute, Limit, Temp, Fault (with coded read-out)
Damping Factor	> 1000 : 1
Signal to Noise Ratio	> 100dB
Output Stage	Selected Matched MosFet
Dimensions	Width front: 635mm Width back: 394mm Height: 1194mm Depth: 762mm
Weight	30-40kg (module dependent)
Construction	2mm steel monocoque. Solid aluminium front panel
Fittings	Rear Rack-Mounting Brackets
Accessories	Flight Case Rack



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