

BLADE 360**INDUSTRIAL CLASS D AMPLIFIER****SC.AMPCLASSSD360W (AC)****SC.AMPCLASSSD360W-DC (DC)**

The Blade 360 has been designed to provide a full 360 Watts of audio power using proven Class D technology.

The Blade360 amplifier has been specifically designed for the stringent requirements of the Oil & Gas market and replaces the Spector Lumenex AMPIID 300.

The Blade 360 amplifier has the following benefits for the acoustic designer :

At 80% usage, a full 300 Watts to drive speaker lines.

The ability to place 12 x 25 Watts speakers.

Have a full 60 Watts spare capacity (4 x 25 W).

Reduce the number of amplifiers due to increased power density and reduce overall cabinet space.



The Blade 360 offers a smaller footprint, allowing a full **2.88Kw** of audio power in a 6U

frame without the requirement for any additional power supply unit.

The Blade 360 is fully compatible with existing legacy systems. It either plugs directly into spare capacity or replaces existing amplifiers to increase the power available, thereby allowing for upgrades and expansions.

Due to its high efficiency, in certain cases, it may remove the need to upgrade the plant UPS.

On-board monitoring ensures that early warning of a fault in the amplifier unit as well as field issues are reported to the central system. The unit is also provided with full protection against open or short circuit, abnormal loads and high temperature.

Key Features :

- // High Efficiency
- // Low Thermal Dissipation
- // Small Footprint
- // Directly compatible with earlier ACE Series PAGA Systems
- // High Output Power - 360 Watts
- // Hot Standby and Bridged Output options
- // On Board Power Supply, removes the need for separate amplifier power supplies.
- // Fully monitored, EOL, Radial and Remote addressable speaker monitoring (LTU's).

// Mechanical Specification :

HEIGHT	6U
DEPTH	450mm
WIDTH	50.4mm
WEIGHT	8.30 Kg

// Technical Specification :

AMPLIFIER EFFICIENCY	80% @1Khz continuous sine wave	OUTPUT DISTORTION FULL LOAD	1% at 1Khz
OUTPUT POWER	360 watts	INPUT SENSITIVITY	775mVrms
LINE VOLTAGE	100V	SIGNAL TO NOISE RATIO	75dB
POWER INPUT (AC AND/OR DC)	103.5 - 126.5 VAC 50/60Hz 216 - 256 VAC 50/60Hz 48-63 VDC	FREQUENCY RESPONSE	- 3dB at 150Hz - 3dB at 18Khz
CONSUMPTION	VAC - 50mA (In Sleep mode) VAC - 130mA (Normal Operation) 48VDC - 100mA (In Sleep Mode) 48VDC—300mA (Normal Operation)	CONSUMPTION @ RATED POWER	Including On Board Power Supply 216 - 256VAC Max 3A 103 - 126VAC..... Max 6A (Power Factor 0.84) 48 - 63VDC..... Max 9A
AUTO SLEEP MODE	When Enabled		

// Front Display Panel Detail :



// Blade 360 Amplifier body :

