

The next generation ...

Amplifier Dual 300W



VIGIL 3

FEATURES & BENEFITS:

- New floating transformerless technology which negates the need for cumbersome transformers. This means that:
 - Each amplifier is considerably lighter - weighing up to 58% less when compared on a Watt-for-Watt basis.
 - Much less copper is required during manufacture.
 - There is more space within the unit enabling increased airflow.
- VIGIL3 amplifiers provide increased power in a smaller sized unit when compared to alternatives.
- With VIGIL3 amplifiers it is possible to fit up to 1800 Watts of power in one 2U rack space.
- Each amplifier unit includes a built-in power supply, thus freeing up valuable rack space.
- The amplifiers have a 'sleep mode' which:
 - Operates not only when the system is running on batteries but also when it is running on mains power.
 - Will 'wake' immediately they are required - there is absolutely no 'down time'.
 - Will benefit users due to the reduction in mains power use - both financially and environmentally.
- Up to three amplifier units can be housed in a single 2U rack space.
- Modular by design, with the added benefit of the ability to parallel units, VIGIL3 amplifiers offer great flexibility for system design.
- Being backward compatible*, VIGIL3 amplifiers can replace VIGIL2 equivalents should this be required.
- VIGIL3 amplifiers, when combined with the VIGIL3 battery charger module (BVMBC) and the BVRD2M/BVRD2M4 VIGIL2 voice alarm router(s), form a powerful EN54 compliant voice alarm system (VACIE).
- Other amplifiers in the range:
 - Dual 75 Watt (BVO75D)
 - Quad 75 Watt (BVO75Q)
 - Dual 150 Watt (BV150D)
 - Quad 150 Watt (BV150Q)

* Additional, basic wiring required.

VOICE ALARM
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Specifications:

	BV300D
Amplifiers in unit	2 x 300W
1KHz rated output power, <0.2% THD	300W @ 33.3 Ohms
Output regulation	Better than 0.5dB
Output voltage obtainable	100V only
Frequency response (-3dB)	35Hz to 20kHz
Input sensitivity and impedance	0dBm @ 10K Ohms balanced
Input common mode rejection ratio	(50Hz-20kHz) better than 40dB (typically 60dB)
Output noise reference to rated output	Better than 85dB(A)
Cross talk between amps at 1kHz	Better than 70dB
Supply voltage (batteries)	22-28V DC
Standby current (batteries)	50mA per amplifier
Rated output power	14A / Amp
Output stage protection:	
Thermal	Output stage above 90°C
Load	Excessive output stage current
Action	Reduces input to safe level using low distortion VCA
Fuse Protection:	
AC supply (5 x 20mm)	2 x 2A(T)
Battery (automotive blade)	2 x 20A
Terminations:	
Speaker line output	2 x cage clamp
Balanced line inputs	RJ45 connections
DC supply (batteries)	2 pin rising clamp
Mains supply input	IEC 6A filtered connector
Dimensions	142 mm W x 75 mm H x 311 mm D
Weight	3.1 kg
Mains supply	230V + 10%/-15% 50/60Hz
Standby power consumption (mains)	24W
AUX DC output @ 30V	5A
Maximum power consumption	700W



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