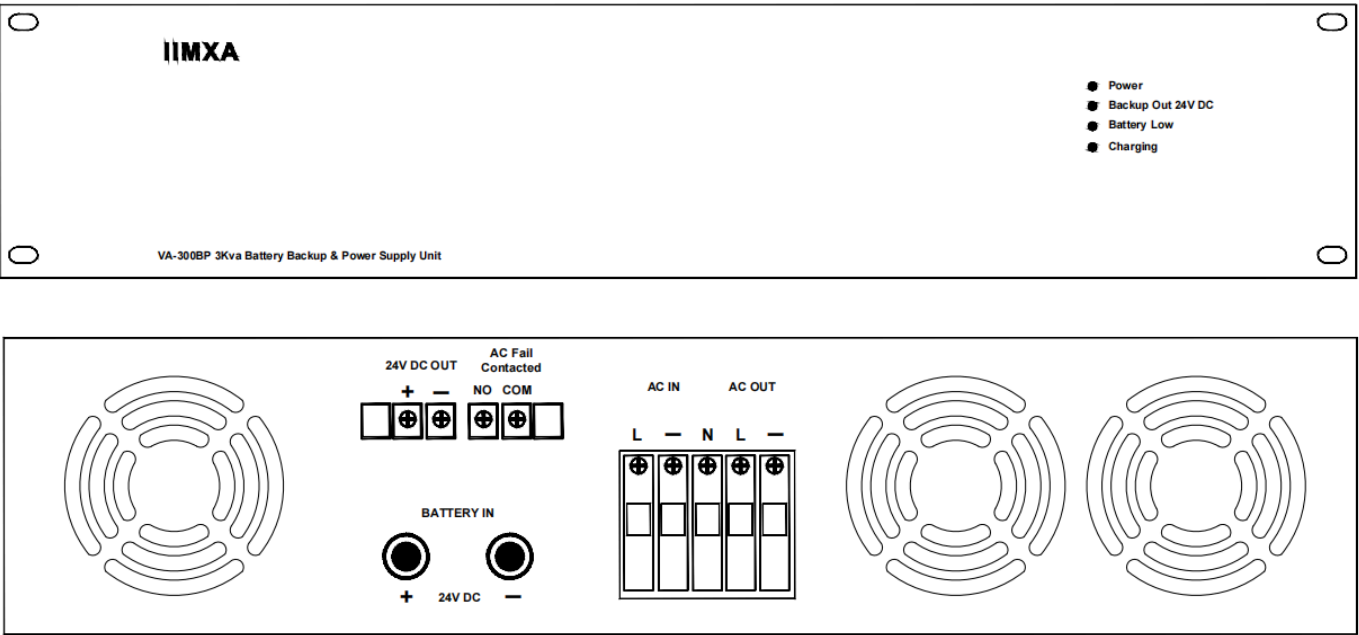


VA-100BP

VA-300BP

VA SERIES POWER SUPPLY UNITS

AC&DC BACKUP AND POWER SUPPLY UNIT



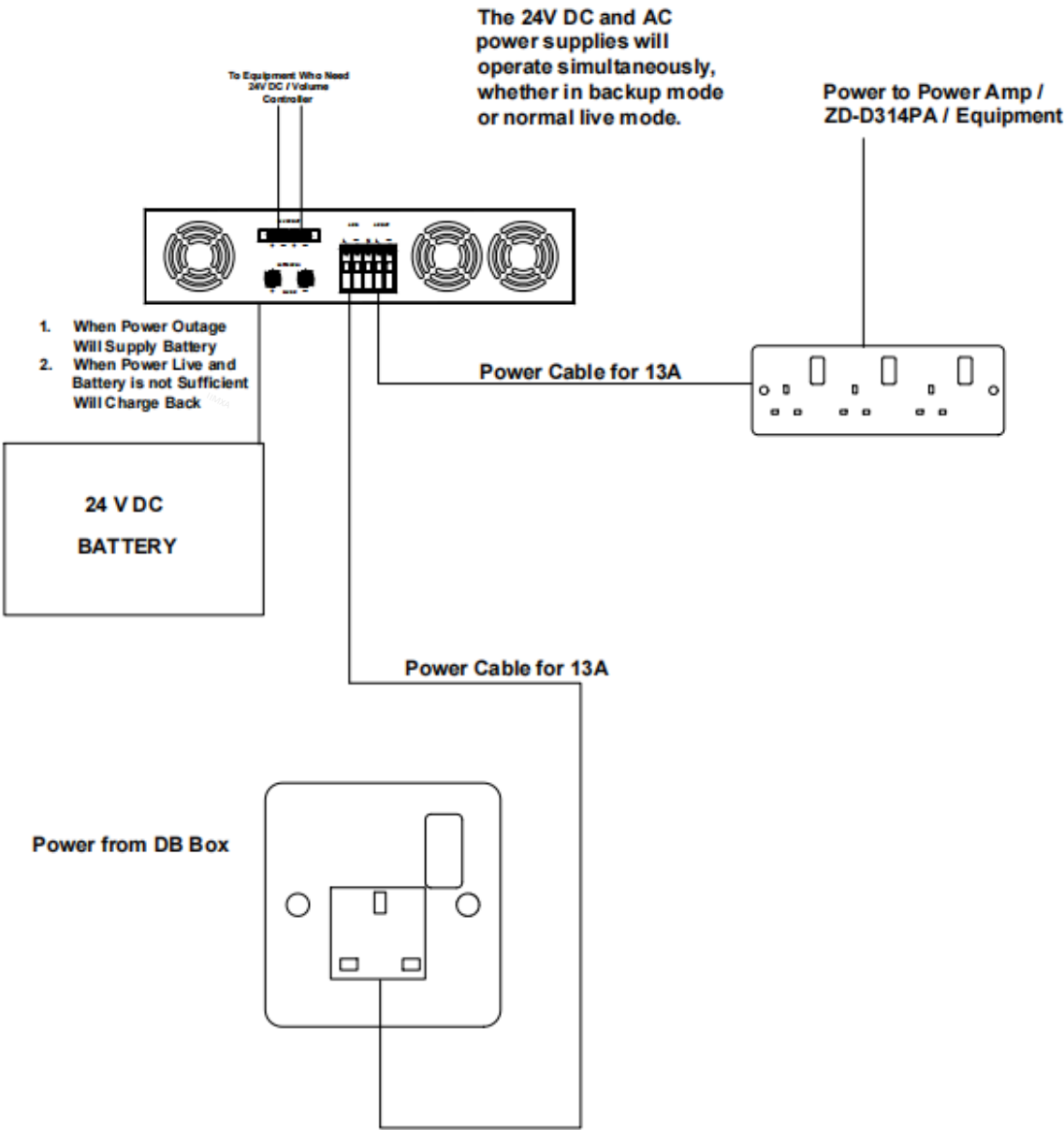
VA-100BP VA-300BP

VA Series Power Supply Units

The VA Series are **sophisticated dual-power supply units engineered specifically for public address and emergency announcement systems.** They provide a seamless and reliable power solution, ensuring your **PA system remains fully operational during an AC mains failure.**

A key feature is the **integrated Battery Protection circuit.** This system safeguards your battery investment by preventing deep discharge, automatically maintaining a safe charge level to maximize battery lifespan and long-term reliability.

The VA Series is designed for continuous operation. During normal conditions, it powers the system from AC mains while simultaneously charging the backup battery. In the event of a power outage, it instantly and automatically switches to battery power, performing two critical functions simultaneously:



- It inverts the 24V DC battery power to provide AC output for compatible amplifiers.
- It supplies regulated DC voltage to power other core PA and emergency control equipment.
- This ensures the entire Public Address system can continue all functions, from routine announcements to critical emergency broadcasts, without interruption.

Technical Specifications

	VA-300BP	VA-100BP
Power Sources (Input)	AC & Battery (As BackUp) 24V DC	AC & Battery (As BackUp) 24V DC
Battery Charge Rate	0.1 A- 3A (MAX)	0.1 A- 2A (MAX)
Protection features		
Battery Voltage (Full Charge)	27.5 V DC	27.5 V DC
Low Voltage Protection	19.5V DC	19.5V DC
Power Sources Output		
AC (Load) During BackUp State	14A	4.2A
DC (Load)	15A	15A
Output RMS Power	2800 Watt	1000 Watt @240V AC
Power Efficiency	>0.85 %	>0.85 %
Ventilation	Cooling Fan X3	Cooling Fan X3
Indicator	Power, Back Up Out 24V DC, Battery Low, Charging	Power, Back Up Out 24V DC, Battery Low, Charging
Battery	Independent, Design Externally	Independent, Design Externally
Dimension	485MM (W) x 375MM (D) x 88MM (H)	485MM (W) x 375MM (D) x 88MM (H)
Weight	7.0 kg	7.0 kg

