

VX-2000DS AMQ

EMERGENCY POWER SUPPLY



The VX-2000DS Emergency Power Supply Unit supplies DC backup power to each component in the VM-3000 system. It keeps the 2 × 12 V sealed lead batteries charged, compensating for the temperature of the battery charging voltage. When AC Power is disrupted, the VX-2000DS is automatically switched to the backup batteries.

The world's first Voice Evacuation System complying with both American and Canadian standards UL 2572 and CAN/ULC-S576 listings.

Key features

UNDEFINED TEXT

Specifications

Power Source	120 V AC, 60 Hz
Power Consumption	240 W max.
DC Power Output (AC mode)	Number of connectable equipment: Up to 3 VM-3240 AMQ, M4 screw terminal, distance between barriers: 11mm
Current Specification	Maximum output current draw from the battery: 43.5 A
Compatible Battery	Panasonic LC-X/LC-P Series (12 V x 2)
Charging Method	Trickle charging
Charging Current	5 A max.
Charging Output Voltage	27.3 V \pm 0.3 V (at 25 °C or 77 °F) Temperature correction coefficient: $-40 \text{ mV/}^{\circ}\text{C}$
Power Supply Input	6, M4 screw terminal, distance between barriers: 11mm (0.43")
DC Power Output	6 (25 A max, each) M4 screw terminal, distance between barriers: 11 mm (0.43")
Control Connector	RJ45 female connector for connecting the VM-3000 System Twisted-pair straight cable (TIA/EIA-568A standard) Type of control signal: Battery check, AC power status, DC power status, charging circuit failure, and battery failure
Battery Connection	1 pair of positive and negative terminals; Applicable cable diameter: AWG 6 – AWG 0 (AWG 1/0) (16mm 2 – 50 mm 2) Line resistance within 4 mΩ/ total
Operating Temperature	0°C to +40°C (32 °F to +104 °F)
Finish	Panel: Surface-treated steel plate, black, 30% gloss, paint
Dimensions	82 (W) x 88.4 (H) x 377.6 (D) mm (18.98" x 3.5" x 13.29")
Weight	10.5kg (23.15 lb)
Included Accessories	Rack mounting screw (5x12) x 4, Fiber washer x 4, Blade fuse (40A) x 3, Fuse (T6.3 A L) x 1, Insulating sheet x 1, Thermal insulating sheet x 1, Power cable (2 m) x 1
Fuse Rating	Blade fuse (40 A), Blade fuse (7.5 A), fuse (7.5 A)
Internal Resistance	Maximum internal resistance of the battery and its associated circuitry, Ri max. 50 mΩ
Cable Requirements	Recommended cable parameter for DS-SF Link: Twisted-pair straight cable (TIA/EIA-568A standard)