



## EMERGENCY POWER SUPPLY

VX-2000DS AMQ

### ■ DESCRIPTION

The VX-2000DS Emergency Power Supply Unit monitors and distributes DC power from a battery package (not included) to each component in the VM-3000 Voice Alarm System or SX-2000 system. It keeps 2x 12V sealed lead-acid batteries charged while maintaining temperature compensation for the charging voltage. It can detect charging circuitry or battery faults, and transmits those fault indications to the system controller (VM-3240VA/SX-2000SM) using the dedicated DS or SF busses.

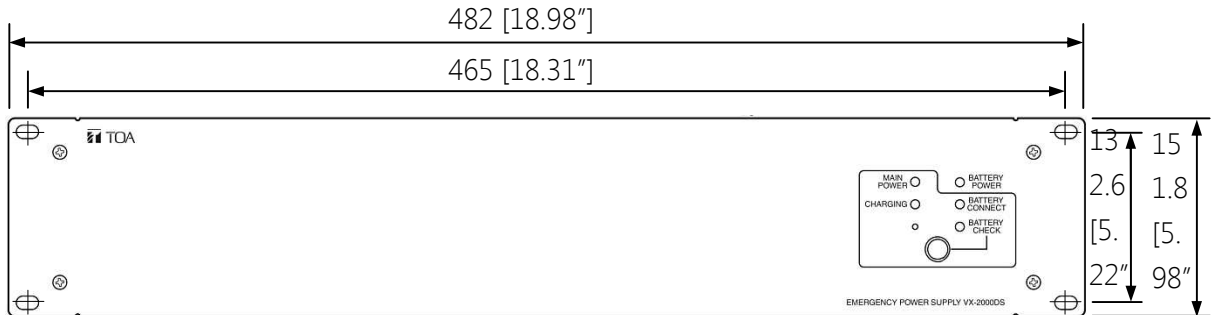
### ■ SPECIFICATIONS

Power Source	120 V AC, 60Hz
Power Consumption	240 W max.
Applicable Battery	Panasonic LC-X/LC-P Series (12 V x 2) or equal
Charging Method	Trickle charging
Charging Current	5 A max.
Charging Output Voltage	27.3 V $\pm$ 0.3 V (at 25°C) Temperature correction coefficient: -40 mV/°C
Power Supply Input	6, M4 screw terminal, distance between barriers: 11 mm
DC Power Output	Monitors and provides DC backup power (from external batteries) to 3 VM-3240 VA/E, M4 screw terminal, distance between barriers: 11 mm
Control Connector	RJ45 female connector for connecting the VM-3000 system Twisted-pair straight cable (TIA/EIA-568A standard) Fault indications: 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) (Line resistance within 4 m $\Omega$ /total) Cross sectional area: 16 – 50 mm <sup>2</sup>
Operating Temperature	0 to +40°C (32 to 104°F)
Finish	Panel: Surface-treated steel plate, black (30% gloss), paint
Dimensions	482 (w) x 88.4 (h) x 377.6 (d) mm (18.98" x 3.48" x 14.87")
Weight	10.5 kg (23.15 lb)

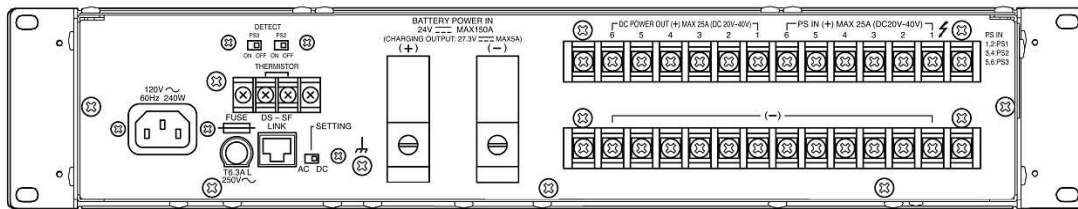
Fuse ratings	Blade fuse (40 A), Blade fuse (7.5 A), Fuse (7.5 A)
Maximum output current draw from the battery	43.5 A
Maximum internal resistance of the battery and its associated circuitry, R <sub>i</sub> max	50 m $\Omega$
Recommended cable parameter for DS-SF Link	Twisted-pair straight cable (TIA/EIA-568A standard)

■ APPEARANCE

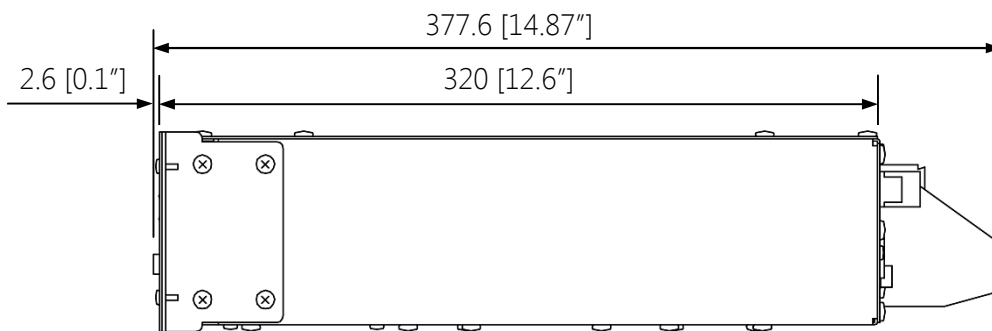
Front View



Rear View



Side View



UNIT: mm [inch]