

Descriptions

VA-2000BC is an obligatory unit for the Va-2000MA voice evacuation system. It is used to work with battery to provide DC 24V power supply to the complete system, thus the battery capacity shall be various from applications.

The VA-2000BC DC power supply and battery charger could work stand alone with any public address system as well.

There will be usually two units of 12V batteries cascaded together to output DC 24V for the system. It must have capacity to automatically switched into DC mode to support at least 30 minutes of voice evacuation and standby 72 hours once AC power supply failed. While when AC backs, the battery automatically goes into charging mode. The battery capacity, temp and AC/DC failure all will be supervised and status displayed.

Basic Functions

- Option of automatical charge mode: constant current → (equalization charging voltage) constant-voltage current reducing → floating charge automatically.
- Quick charging speed, high efficiency restoration.
- Free from overcharge danger and ensure extending battery life.
- Optional battery capacity.
- Automatical temperature control fan and overheating protection.

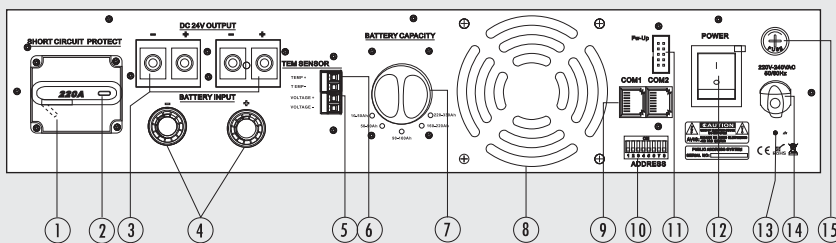
Features

- * Option of automatical charge mode
- * Repair of the battery overdischarge
- * The detecting of battery failure, over input voltage, over temperature and overtime charging.
- * Automatical temperature control fan and overheating protection
- * The capacity of battery can be changed without being influenced by the input AC voltage.

Specifications

Model	VA-2000BC
AC Power	
Voltage	~220V AC, ± 10%, 50/60Hz
DC Power	
Output Voltage	24V DC, ± 20%
Max Output Current	200A
Single Output Voltage	100A
Max Power Consumption	4800VA
Operation Temp	+5°C - 40°C
Storage Temp	-20°C - 70°C
Relative Temp	<95%
Dimensions (LxWxD)	484 x 450 x 88mm (19", 2U)
Weight	About 7.5Kg

VA-2000BC Rear Panel <<



Connectors

- ① When short-circuit happens to the power supply of the battery, the red relief valves will pop up. Pls push it back after removing failures.
- ② Manual relief valves testing button. Relief valves will pop up when pressing it.
- ③ Two DC24V output connectors, each max output current is 100A
- ④ External both positive and negative terminals of the battery
- ⑤ External both positive and negative terminals of the battery
- ⑥ External temperature sensor for detecting working temperature of the battery.
- ⑦ 5-level turn switch for battery capacity option.
- ⑧ Vent of temperature control fan.
- ⑨ Control communication port
- ⑩ ID dipswitch
- ⑪ Reserved upgrade port
- ⑫ Power switch
- ⑬ Earth line
- ⑭ AC power wire
- ⑮ AC power fuse