# Portable Backup Power System

### **Function**

#### **Product Functions**

The purpose is for building backup power facilities, providing uninterrupted reliable DC power supply and backup power that support the communications equipment usage of the mobile cellphone base station and communication control room.

### Feature

#### **Product Features**

With stainless steel inside and outside the two-tier cabinets, the whole machine waterproof and dustproof, internal temperature control

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## Advantage

#### Product Advantage

Containing lithium-iron battery, highly secure and stable lithium-iron battery with excellent performance, long life with no memory effect, high power saving of ultra-low self-discharge rate, high discharge rate with high charge and discharge speed able to reduce the consumed charging time; compact size easy to install.



reproviding uninterrupted reliable DC power supply and redundant power for use by mobile cellphone platform of communication equipment.

Detailed specifications

#### A \ Waterproof and dustproof outdoor cabinet :

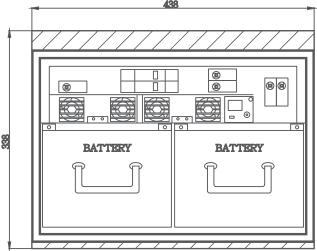
- Stainless steel (SUS304) flip-up door.
- Inside and outside the two-tier cabinet
- Include thermostatic-variable speed DC 48V exhaust fan for 2 groups.
- The upper layer PDU power distributor, middle layer SMR, lower layer battery group 2 packs.
- Size: height 338mm \* width 438 mm \* depth 560mm

#### B \ SMR(switch mode rectifier): Switching DC power supply units

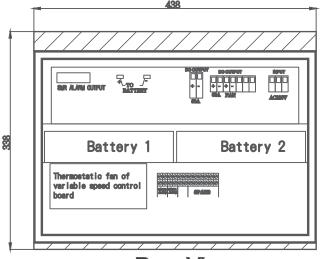
- SMR System capacity adopting 48V 3.6KW/ sets, made up of 2 Chargers.
- Provide utility power interruption, DC low voltage alarm, fan failure/overheat, SMR etc. six-point alarms dry contact (can be set in the software, when an exception is meant open circuit(Open), usually for short circuit (NC)).
- With charging current limit (for battery charging use),
  LVDS (low-voltage power protection) etc. functions.
- In compliance with safety regulations EN 60950
- In compliance with EMI: FCC Part 15 class B
- Dimensions (WDH): 43x182x41mm
- Human Machine Interface: LCD screen, LED display status, setting knob, USB interface (standard or mini or micro).
- Alarm output dry contact : 6 groups

#### C \ Lower layer battery pack of every single group specifications

- LiFePO4 Battery 48V/25AH o
- Battery core modules (including BMS) conform to CE certification: N61000-6-1:2007 \ EN61000-6-3:2007
- Alarm(NC) function dry contact : 4 groups
- High pressure alarm, low pressure alarm, high-temperature alarm, over-current alarm, voltage protection, high temperature protection, over current protection.
- Power switch, LED signal lamp (or other display capacity)
  Display rule: 3 color status; lights appear as follows:
  After fully charged, the green light is 100%
  Lights turned from green to yellow are below 50%.
  - Lights turned from yellow to red are below 10%.
- Battery Case Size (excluding handle): ): 200\*150\*380 mm



**Front View** 



Rear View

Model	DB1311-01
Dimensions	338(high)x 438(wide)x 560(deep)mm
Input voltage	220V AC
Output voltage	48V DC
Battery maximum output	50AH
current	
SMR maximum output	75A
current	
Operating temperature	0°C~50°C
Weight	70Kg

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