



### N-12V80AHBLS

The battery is Bluetooth version in dual purpose(1000 CCA).

#### Features & Benefits

- **Smart BMS protection**

Smart BMS design with multiple protections.

- **New Grade A+ prismatic cells construction**

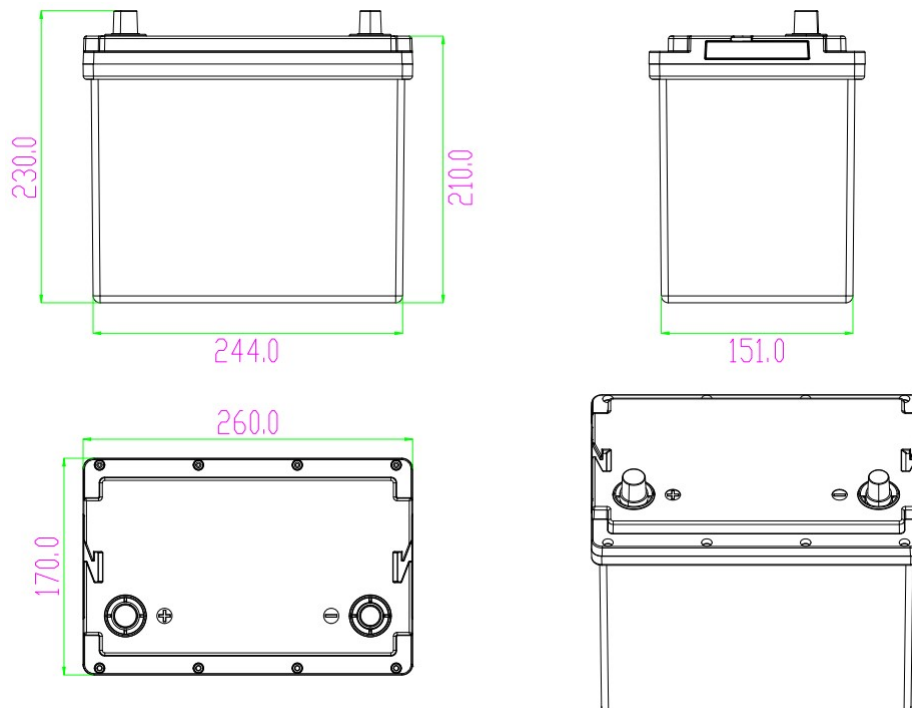
The new grade A+ prismatic cells construction ensures reliable and excellent quality.

- **Automatic Hibernation mode to double protect battery against deep discharging**

a. If the battery has been put into hibernation mode by app which can be waken up by charging or by discharging or by app connection.

b. If no current (<0.5A) has been detected by BMS, then BMS will fall into hibernation mode when the cells voltage<3000mV and delay 10mins.

#### DIMENSIONAL SPECIFICATION



## N-12V80AHBS Lithium



### ELECTRICAL SPECIFICATIONS

Nominal Voltage	12.8V
Nominal Capacity	80Ah
Capacity @0.2C	>290 min
Energy	1024Wh
Resistance	<10m Ω
Discharge Efficiency	>99%
Cells Self Discharge	<3% per Month

### MECHANICAL SPECIFICATIONS

Dimensions (L x W x H)	260 x 170x 230mm
Weight	9.5kg
Terminal Type	SAE+M8
Terminal Torque	10-15N-m
Case Material	ABS

### CHARGE SPECIFICATIONS

Maximum Continuous Charge Current	200A
Recommended Charge Current	≤100A
Charge Voltage	14.2~15V
Charge Cut-off Voltage	15V (Pack)/ 3.75V (Cells)
Reconnect Voltage	14V

### DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	200A
Max. Pulse Discharge Current	300A (3S)
Discharge Cut-off Voltage	10V(Pack)/2.5V (Cells)
Reconnect Voltage	12V
Short Circuit Protection	Yes

### BMS CONSUMPTION

Standby	≤4mA
Working	≤8mA
Hibernation mode	0.16mA

### Hibernation Mode SPECIFICATIONS

Enter hibernation cells voltage (no current flow >0.5A)	<3V
Hibernation delay time	10mins

### TEMPERATURE SPECIFICATIONS

Discharge Temperature	-4~149°F (-20 ~65°C)
Charge Temperature	32~149°F (0°C~+65°C)
Temperature Range Storage <1 month	-4~122°F (-20°C~+50°C)
Temperature Range Storage >1 month	23~104°F (-5°C~+40°C)
Temperature Protection of FET (Built-in)	194°F (90°C)