

Application/Use

Category	Lithium
Application	Solar, Backup



Specs & Dimensions

Part Number	8010128002001
Nominal Voltage [V]	12.8
Nominal Capacity [Ah]	20
Total Energy [Wh]	256
Max. Charging Current [A]	20
Recommended Charging Current [A]	10
Charging Voltage [V]	14.6
Max. Discharging Current [A]	20
End of Discharge Voltage [V]	11.2
Pulse Discharge Current	50A @ 10s
Dimension [W*D*H, mm]	181*77*167
Weight [Kg]	2.90
Operation Humidity	0~95% RH (No condensing)
Operating Temperature Range	Charge: 0 ~ +50 °C; Discharge: -20 ~ +55 °C
BMS Protection	Over charge Over discharge, Over temperature, Short circuit
Parallel Support	Yes, Max 2 Sets
Series Support	Yes, Max 4 Sets
Cycle Life	>2000
Designed Calendar Life	>10 Years
Certification	UN38.3, CE, MSDS

Note:

1. 80% DOD and to 80% of initial capacity.

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Design

- ABS container, replace VRLA battery perfectly.
- Fast charge performance.
- -20~+55° C widely temperature range.
- Maintenance free.

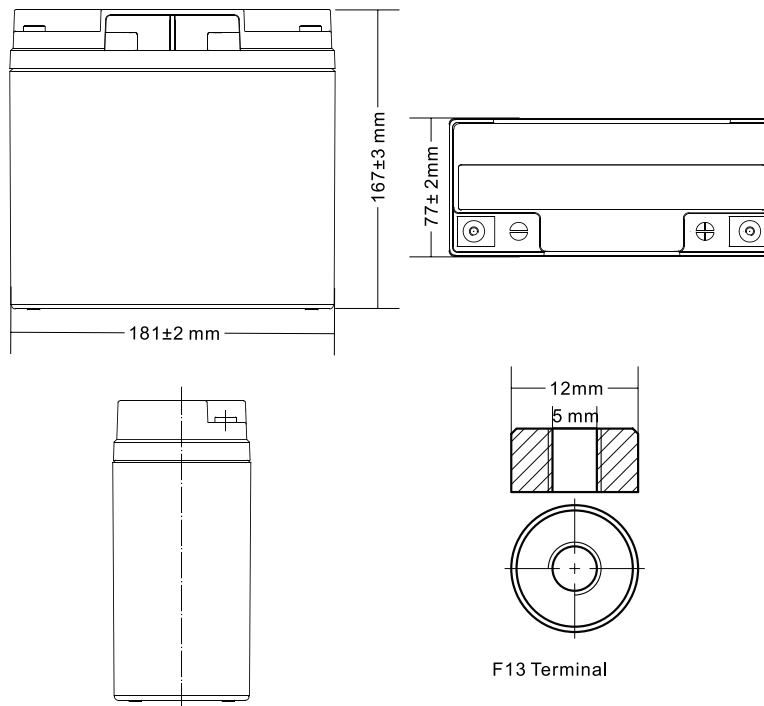
Safety

- Cylindrical LiFePO₄ cells (32650-5Ah), High consistency, long cycle life and much more safety.
- UN38.3, CE certification for system.
- The cycle life over 2000 times @80%DOD

Battery Management System (BMS)

- Integrated hardware BMS inside.
- Independent protection for charge and discharge.
- Over voltage, low voltage, over temperature and short

Physical Dimensions -mm



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