

W12-L Series

Energy Storage LiFePO4 Battery



**Reliable Energy Storage Solution
For 12V System
CAN-BUS Combined**

APPLICATIONS



motorhome



caravan/trailer



ambulance



special vehicle

Features

High cycle life. Keep capacity higher than 80% (@>3600 cycles; @80% DOD, @0.5C discharging)
Completely closed design, no noxious gas during using
Lithium iron phosphate battery is the safest lithium battery at present. With high thermal stability of the material, it will not cause explosion or combustion due to overcharge, short circuit, impact or excessive temperature
Excellent temperature compatibility;
Work at temperature of -20°C~60°C(discharge)

Protection

Short circuit
Low volt / High volt
Over-charge / Over discharge
Over temperature

Electrical Specification	W12-100L
Rated voltage	12.8V(11.4~14.4V)
Rated capacity	100 Ah
Min. capacity @0.2C	100 Ah
Rated energy	1280Wh
Output efficiency	> 99%
Energy retention	≥ 90%
Cell capacity difference	≤ 1%

Discharge

Discharge current	0~100A
Over discharge protect	110A @8s
Surge-current protect	120 A @500ms
Low-volt shut down	10.4 V @1s
Low-volt recovery	12.2 V

Output short circuit ≥120A/500ms;
auto recover after short-circuit removed; Continuous 10 times short circuit lockup, charge battery for unlock.

Charge

Suggested charge current	20~50 A
Max. charge current	50 A
Over-charge alarm/cut-off	60A / 70 A
Suggested charge voltage	13.6~14.2 V
Over-charge protect	14.4V
Over-charge recovery	13.4V

Temperature

Discharge temperature	-20~60°C
Charge temperature	0~50°C
Storage temperature	-20~35°C
BMS over-temp shut down	60°C

Mechanical

Dimension mm (L×W×H)	307×208×169 mm
Weight	12.0 kg
Battery cell	Aluminum LFP cube