锐泰新能源
Ruitai New Energy

12100BT-2 LiFePO4 Batteries

Data sheet

Ruitai New Energy LiFePO4 Smart BMS 12.8V 100Ah

Full-fledged lead-acid battery replacement

with maximum service life.

The lithium iron battery (LiFePO4 battery) from Ruitai New Energy is full-fledged lead acid replacement rechargeable battery,which is keep paced with the times and updated with clients' feedback.

- Easy to Handle: light weight as 12.8V100Ah at 10kg or so.
- Better Design
  LiFePO4 cell applied ensure more compact internal space structure.
- Better Efficiency
  The discharge and charging is close to 95% as what is currently possible.
- Increased Cycles
  It enables an extremely long cycle life by 4000 cycles at 80% DOD.
- Flexible Assembling.
  You can sery them reach to 48V or parallel them to get a 400Ah pack.(Charge all full to confirm the consistency before sery or parallel)

Safest lithium technology.

Absolutely intrinsically safe.

Our batteries are based on lithium iron phosphate technology (LiFePO4). This is currently the safest lithium technology. Each battery consists of a highly efficient lithium iron phosphate (LiFePo4) Accumulator and one

integrated battery management system, BMS for short.

This constantly monitors the status of the individual cells and protects them against overcharging, overvoltage and overtemperature, among other things. A premature failure of the storage tank due to environmental influences or incorrect use is prevented in advance by the BMS.

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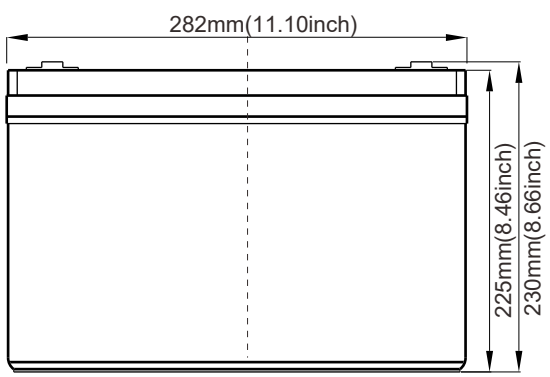
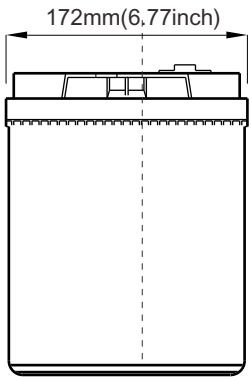
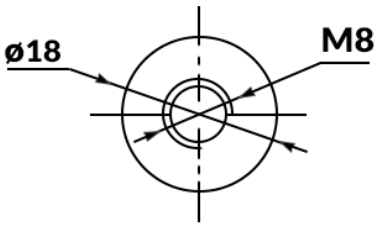
Technical specifications







Connection: M8 screw

Model	12100BT
Nominal Voltage	12.8V
Nominal Capacity	100Ah/1280Wh
Charging Voltage	14.6V° 0.2V
Discharge Cut-off Voltage	10V
Max Charge Current	100A
Max Discharge Current	100A
Peak Discharge Current	200A (3S)
Impedance	<20m ⋮
Equilibrium Level	<100mA
Cycle Life	4000 cycles at 80% DOD
IP Grade	IP65
Temperature Range (discharge)	-10--55℃
Temperature Range (charge)	0--45℃
Temperature Range (storage)	15--25℃
Connection	M8
Shell Type	ABS
Weight（Approx）	10.8Kg
Dimension （L x W x H）	282*172*225± 2mm

* Automatic reduction of the charging power at temperatures below 0 ° C inside the battery.