



ML100-12.8 UTT01

Lithium Iron Phosphate (LiFePO₄) Battery 12.8V, 100AH

- 1- **Longer Cycle Life:** Offers up to 20 times longer cycle life and five times longer float/calendar life than lead acid battery, helping to minimize replacement cost and reduce total cost of ownership.
- 2- **Lighter Weight:** About 40% of the weight of a comparable lead acid battery. A 'drop in' replacement for lead acid batteries.
- 3- **Higher Power:** Delivers twice power of lead acid battery, even high discharge rate, while maintaining high energy capacity.
- 4- **Superior Safety:** Lithium Iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit situation.y: Lithium Iron Phosphate chemistry eliminates
- 5- **Increased Flexibility:** Modular design enables deployment of in series and in parallel.
- 6- **Wider Temperature Range:** -20 °C~65°C



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Ultra Thin LFP Lithium Battery

ML100-12.8 UTT01
12.8V 100Ah 1280WH

Warning: Risk of fire, explosion or burn
1. Do not short circuit the(+) and (-)
2. Do not immerse, throw or wet battery in water
3. Do not heat above 60°C or throw battery into fire
4. Do not disassemble, crush or modify the battery
5. Stop using the battery if abnormal heat, deformation or abnormal condition is detected



INFORMATION	
RATED VOLTAGE	12.8V
MAX CHARGE V	14.8V
CUT OFF V	11V
STD CHARGE CURRENT	20A
MAX CONTINUOUS DISCHARGE (15 min)	150A
OPTIMAL CHARGE TEMPERATURE	<48°C

S/N

Made in China

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SPECS OF BATTERY AND BMS	
Terminal Type	2*M8 Bolts
Weight	10.96 Kg
Case Dimension (L*W*H)	500L*300W*60H
Case Type	Aluminum
Cell type/ Chemistry	LiFePO4
LCD or Bluetooth Function	Yes
BMS	low voltage, high voltage, over temperature, over current, short circuit protection .etc
Nominal Voltage	12.8V
Nominal Capacity	100Ah
Nominal Energy	1280Wh
Internal Resistance	≤20 @50% SOC
Capacity	@ 20A: 300minutes (5hours)
Self Discharge	3%/ per month
Maximum In Series	4PCS
Maximum In Parallel	4PCS
MAX Continuous Discharge Current (15mins)	150A
Recommended Discharge Current	50A
Max Charge Current	100A
Recommended Charge Current	20A - 50A
Recommend Charge voltage	14.2V-14.6V
Discharge Temperature	-20 ~ +65°C
Charge Temperature	0~65°C
Storage Temperature Range	-20~+45°C
Safety Specifications	
Short-circuit protection	Yes
High Temperature discharging	Yes
High Temperature charging	Yes
Discharge overcurrent protection	Yes
Charge-overcurrent protection	Yes