

25.6V100Ah LFP LI-ION BATTERY (LONG LIFE)



Safety

- Prismatic LFePO₄ cells, Longer cycle life and much more safety.
- IEC62133, UL, UN38.3 certification for cell.
- UN38.3, CE certification for system.
- The cycle life over 3500 times @80%DOD

Design

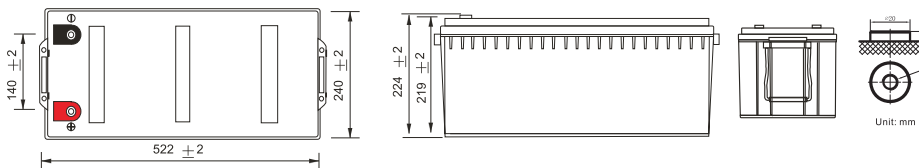
- ABS container, replace VRLA battery perfectly. .
- Fast charge performance,
- -20~+55°C widely temperature range.
- Maintenance free.

Battery Management System (bms)

- Integrated hardware BMS inside.
- Independent protection for charge and discharge.
- OVP, LVP, OTP, Short circuit protection.
- For more information, contact with : sales@ritarpower.com



Ritar Lithium Iron Phosphate LiFePO₄ Battery pack with Ritar unique Triple-safety protection with high performance and prominent long life, with 20 times longer cyclic life than SLA battery to save cost and energy, up to 50% lighter than SLA battery to save logistic cost (Anti-thief system + GPS as optional).



Specification

Item Number	R-LFP25.6V100Ah(8010256010001)
Nominal voltage [V]	25.6
Nominal capacity [Ah]	100
Total energy [KWh]	2.56
Product dimension [W*D*H]	522*240*219 mm
Product weight	26±0.5 Kg
Max. charging current [A]	100
Charge Mode	@0.2C(A) to 29.2V ,then @29.2V till charge current<0.05C(A) (CC,CV)
Recommend Charge Current	20 (0.2C)
Charging voltage [V]	29.2
Max. discharging current [A]	100
End of discharge voltage [V]	22.4
Protection class	IP65
Operating humidity	0-95 %RH (No condensing)
Operating temperature range	Charge: 0 ~ +50 °C Discharge: -20 ~ +55 °C
Storage temperature range	-20 ~ +60 °C / -4 ~+140°F
Communication interface	/
BMS Functions	Cell Voltage/Current Balance, Temperature, MOSFETS
Protection	Over voltage , Low voltage , Over current, Over Temperature, Low Temperature Short circuit
Certification	UN38.3, CE
Parallels Support	Max 2 pcs
Series Support	No Support

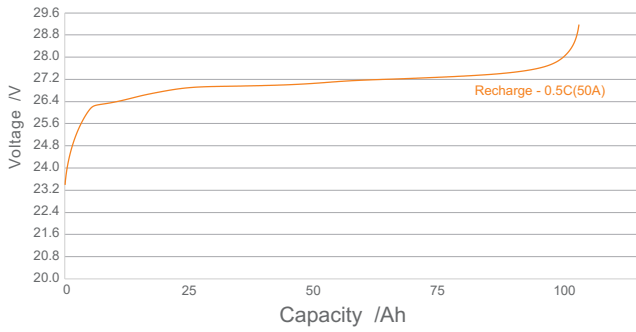
Note:

1. 100% DOD and to 80% of initial capacity.

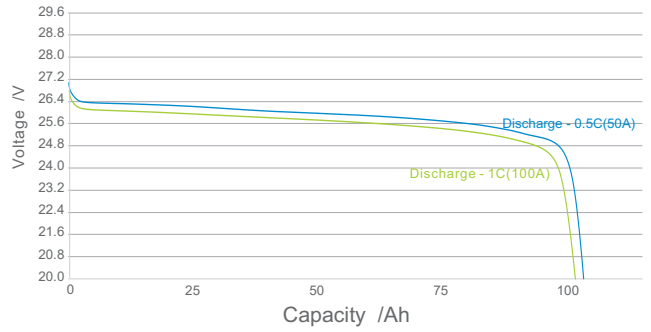
25.6V100Ah

(R-LFP25.6V100Ah)

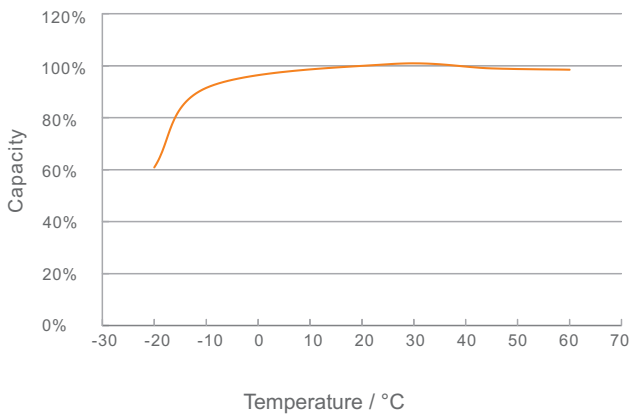
Charging Characteristics(0.5C@25°C)



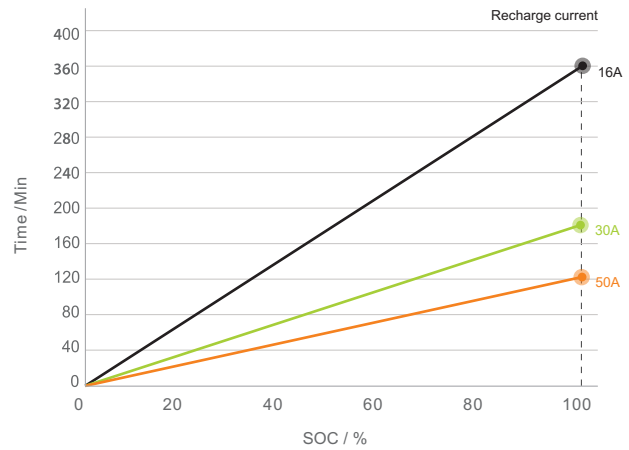
State of Discharge Curve(0.5C, 1C@25°C)



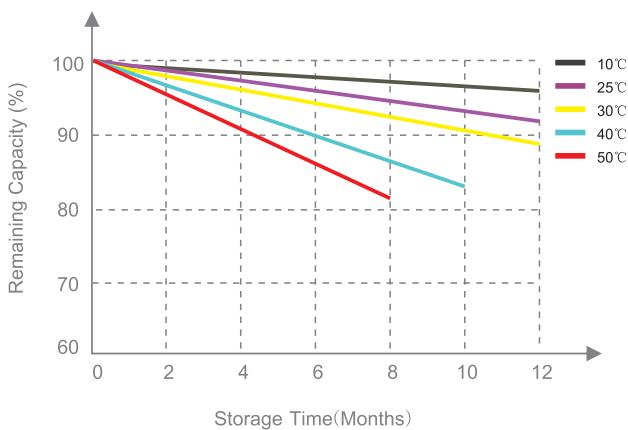
Capacity with Different Temperature



Typical Recharge Time



Different Temperature Self Discharge Curve



Typical Cycle Life

