

12.8V100Ah

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 @100%DOD

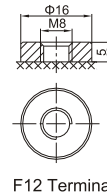
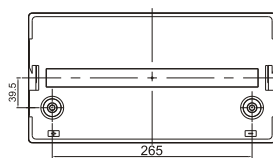
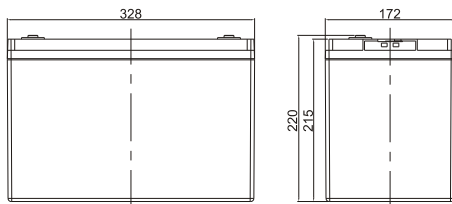
Design

- 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).



ISO9001

ISO14001

OHSAS18001

F12 Terminal



Specification

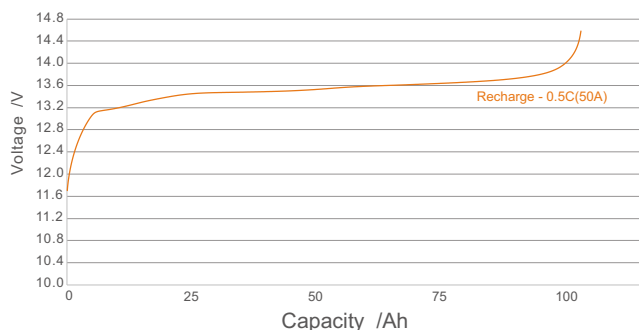
Item Number		R-LFP12.8V100Ah(8010128010001)
Nominal voltage [V]		12.8
Nominal capacity [Ah]		100
Total energy [KWh]		1.28
Product dimension [W*D*H]		330*173*214 mm
Product weight		13.5±0.5 Kg
Max. charging current [A]		100
Charge Mode		@ 0.2C(A) to 14.6V ,then @14.6V till charge current ≤ 0.05C(A) (CC,CV)
Recommend Charge Current		50
Charging voltage [V]		14.6
Max. discharging current [A]		100
Peak discharging current [A/s]		300 /15s
End of discharge voltage [V]		10
Protection class		IP65
Operating humidity		0-95 %RH (No condensing)
Operating temperature range		Charge: 0 ~ +45 °C / 32 ~ 113°F Discharge: -20 ~ +55 °C / -4 ~ +131°F
Storage temperature range		-20 ~ +60 °C / -4 ~+140°F
Communication interface		/
Cycle Life		>3500 ¹
Protection		Over voltage , Low voltage Over Temperature, Short circuit
Certification		UN38.3, CE
Parallels Support		Support. According to user manual for parallel connection
Series Support		Support. Max. 4 PCS for 48V

Note:

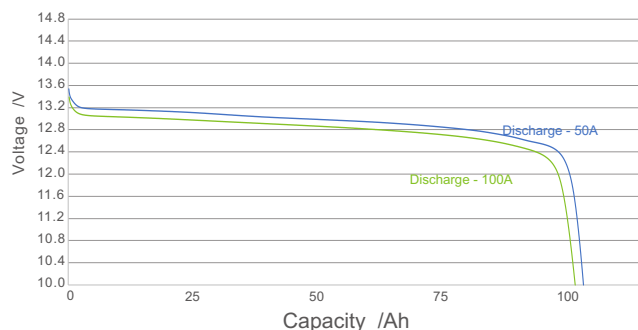
1. 100% DOD and to 80% of initial capacity

12.8V100Ah (R-LFP12.8V100Ah)

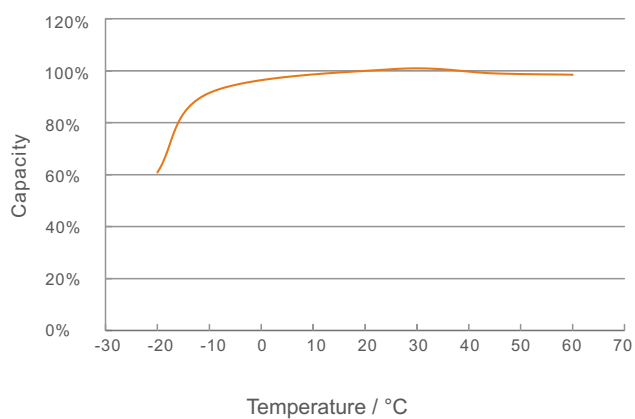
Charging Characteristics@25°C



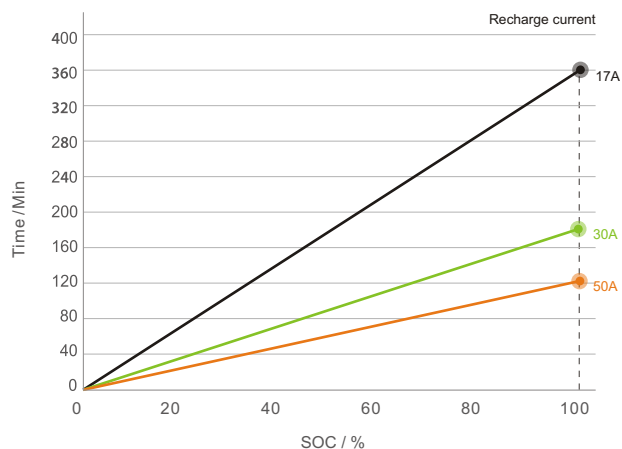
State of Discharge Curve@25°C



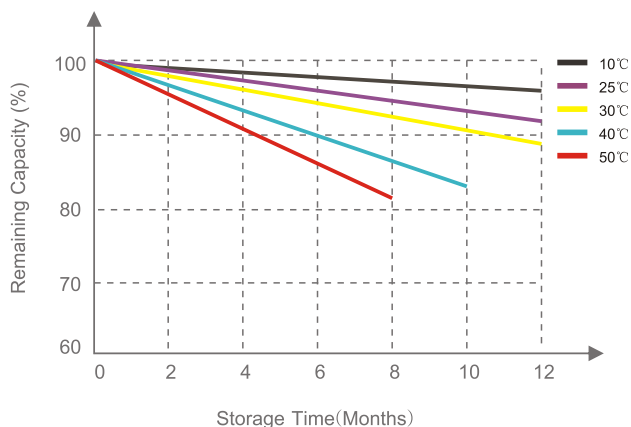
Capacity with Different Temperature



Typical Recharge Time



Different Temperature Self Discharge Curve



Typical Cycle Life

