

# 25.6V200Ah

## LFP LI-ION BATTERY (LONG LIFE)

### Safety

- Prismatic LFePO<sub>4</sub> 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

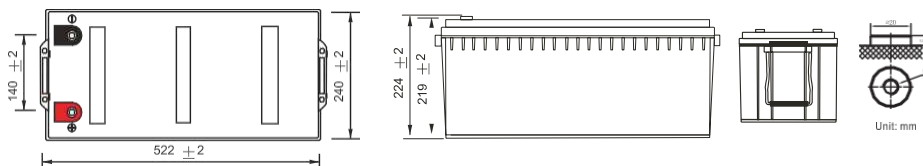
- ABS container, replace VRLA battery perfectly. .
- Fast charge performance,
- -20~+55℃ widely temperature range.
- Maintenance free.

### 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 LiFePO<sub>4</sub> 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-LFP24V200Ah(8110256020001)	
Nominal voltage [V]	25.6	
Nominal capacity [Ah]	200	
Total energy [KWh]	2.56	
Product dimension [W*D*H]	522*240*219 mm	
Product weight	40±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	40 (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 ℃ Discharge: -20 ~ +55 ℃	
Storage temperature range	-20 ~ +60 ℃ / -4 ~+140℉	
Communication interface	/	
BMS Functions	Cell Voltage/Current Balance, Temperature, MOSFETS	
Protection	Over voltage , Low voltage , Over Temperature, Short circuit	
Certification	UN38.3, CE	
Parallels Support	NA	
Series Support	No Support <sup>3</sup>	

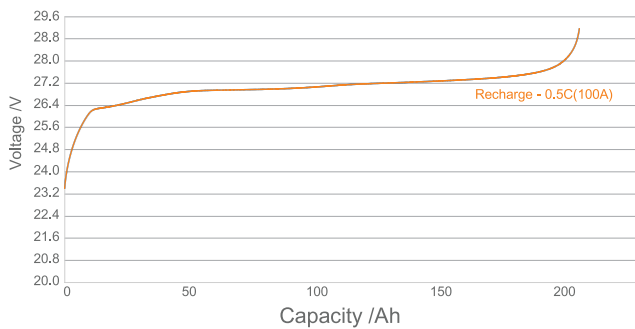
Note:

1. 100% DOD and to 80% of initial capacity.
2. Do not Parallel or Series connection till requiring us for particular items.

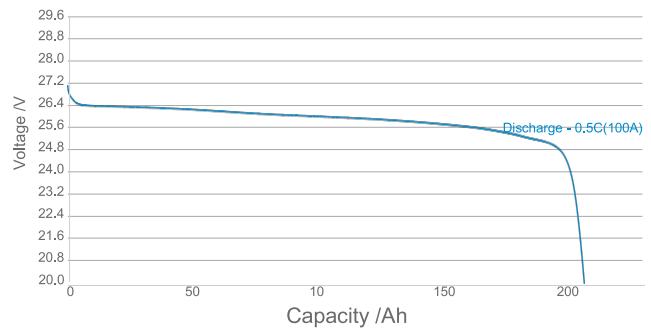
# 25.6V200Ah

(R-LFP24V200Ah)

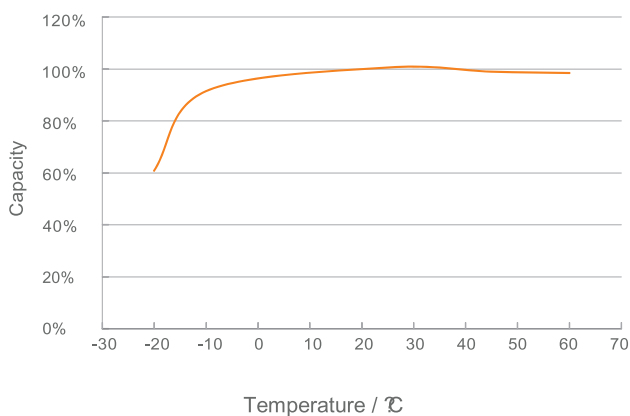
Charging Characteristics - 0.5C@25°C



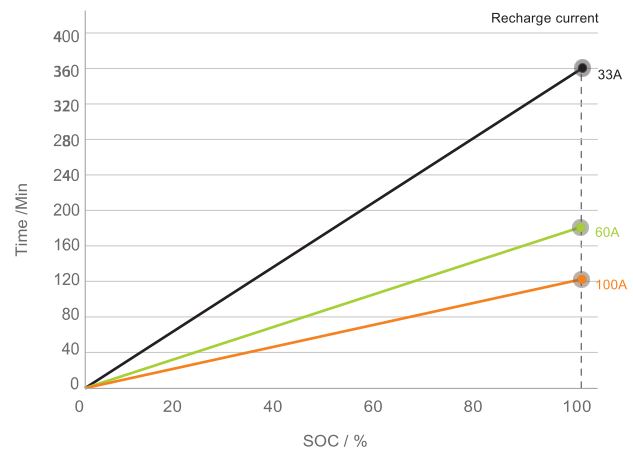
State of Discharge Curve - 0.5C@25°C



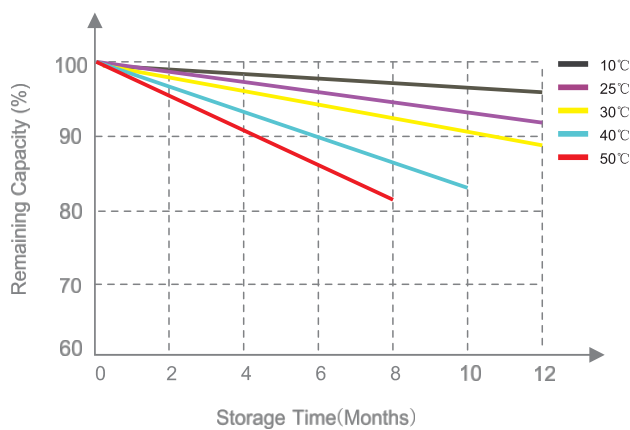
Capacity with Different Temperature



Typical Recharge Time



Different Temperature Self Discharge Curve



Typical Cycle Life

