

48V



RACK MOUNTED LI-ION BATTERY



SAFETY

- + Prismatic LFePO4 cells, Longer cycle life and much more safety.
- + Low voltage system, safety for application.
- + IEC62133, UL, UN38.3 certification for cell.
- + UN38.3, CE certification for system.

DESIGN

- + Standard 19" rack design.
- + Flexible and easily installation.
- + -20~+55°C widely temperature range.
- + Maintenance free.

SCALABILITY

- + Parallel support for more energy.
- + Optional accessories for LCD display, MCB, Anti-theft, remote monitoring purpose.

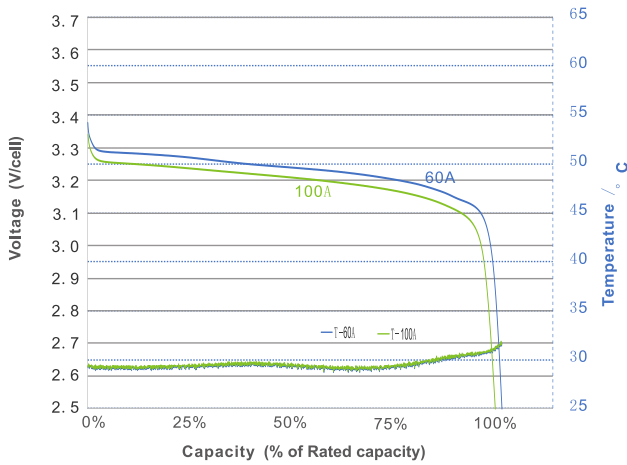
BATTERY MANAGEMENT SYSTEM

- + Independent protection for charge and discharge.
- + SOC, SOH display and PC software for detailed operation.
- + OVP, LVP, OCP, OTP, LTP protection.
- + RS232, RS485 communication port.

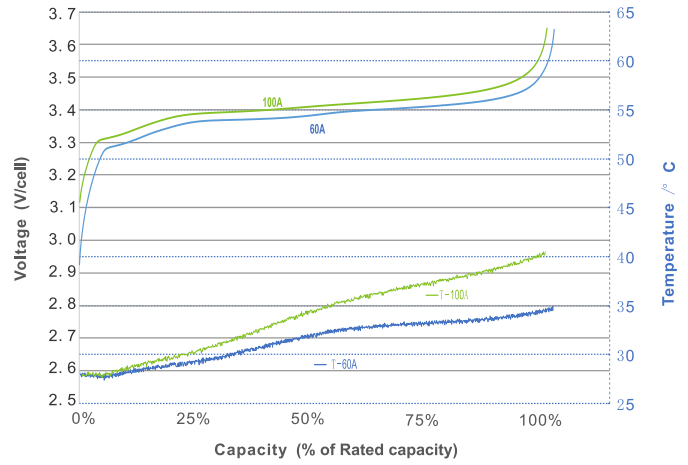
For more information, contact with : sales@ritarpower.com

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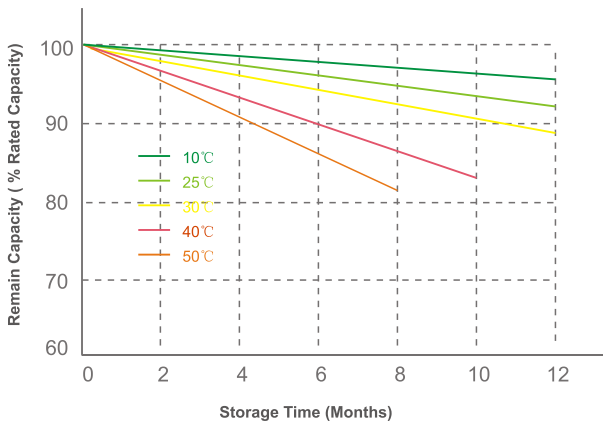
Different Discharge Rate and Temperature Characteristic



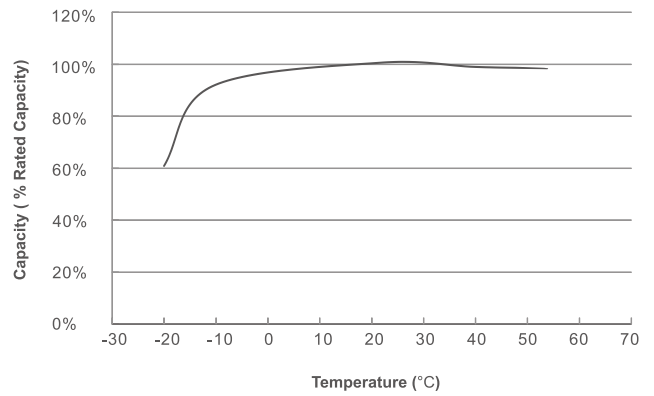
Different Charge Rate and Temperature Characteristic



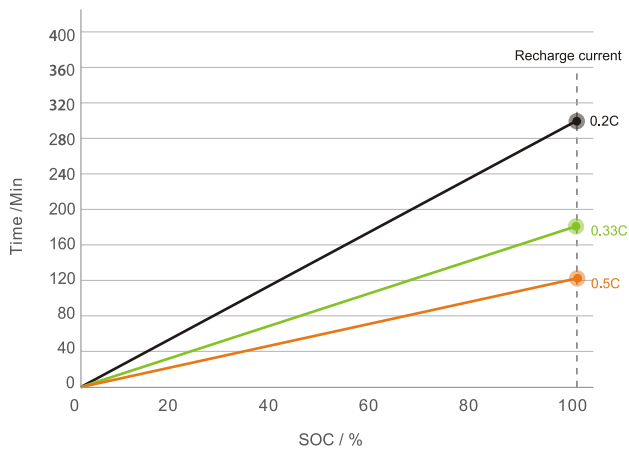
Different Temperature Self Discharge Curve



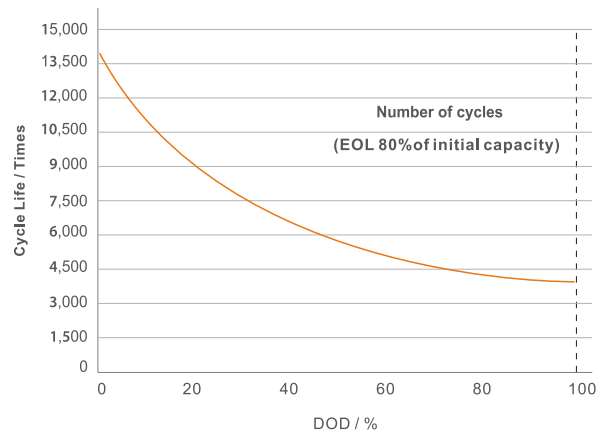
Capacity with Different Temperature



Typical Recharge Time

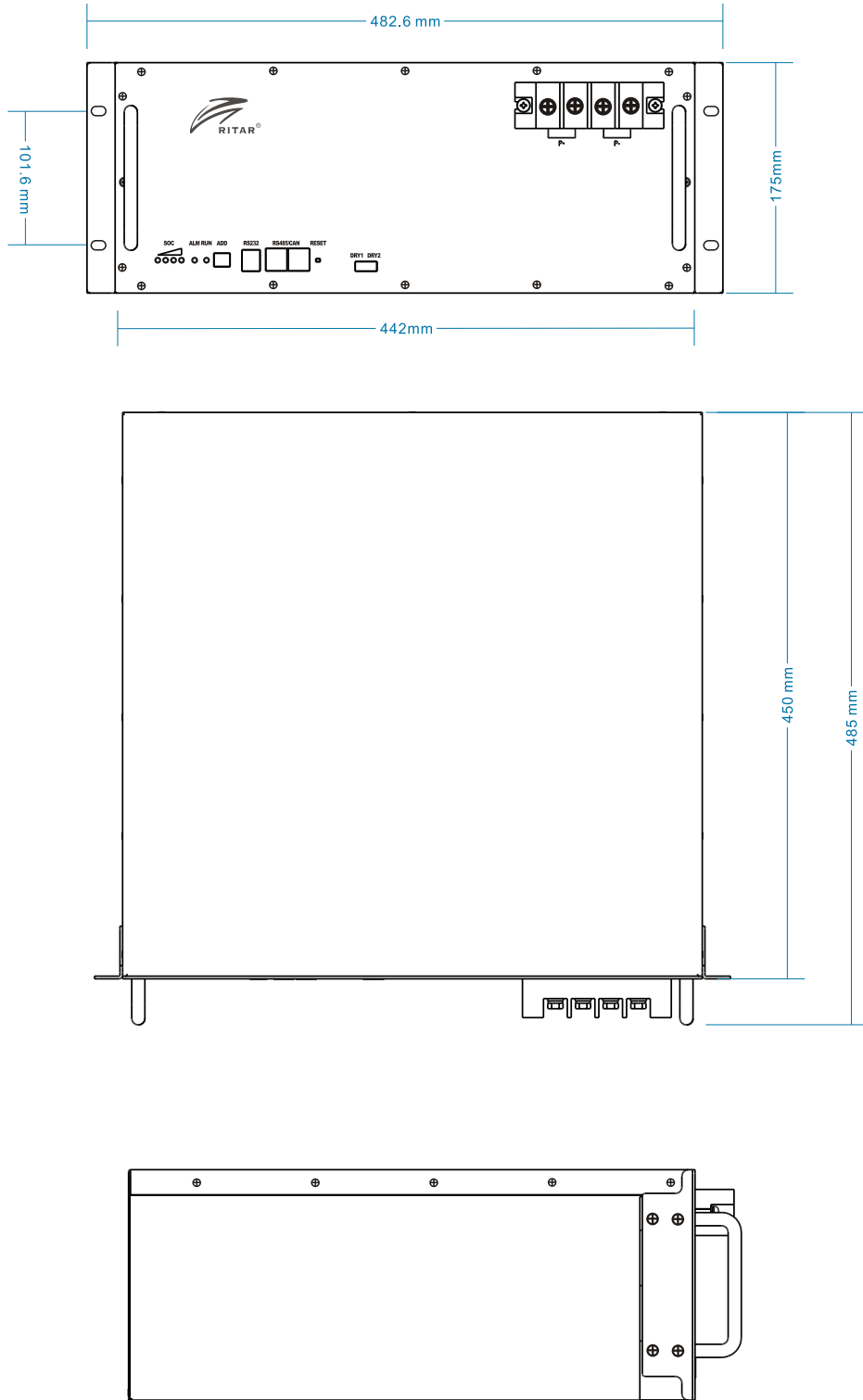


Typical Cycle Life



R-LFP48V120Ah Dimension

Part Number: 8110480012001



48V 120Ah

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Specification

Model	R-LFP48V120Ah
Part Number	8110480012001
Nominal voltage [V]	48
Cell type and connection	LFP 120AH, 1P15S
Nominal capacity [Ah]	120
Total energy [KWh]	5.76
Max. charging current [A]	100
Charging voltage [V]	51.8~54.7
Max. discharging current [A]	100
End of discharge voltage [V]	42
Product weight [Kg]	52
Product dimension [W*D*H]	442*450*175
Protection class	IP20
Operating humidity	0-95 %RH (No condensing)
Operating temperature range	Charge: 0 ~ +50 °C ; Discharge: -20 ~ +55 °C
Communication interface	RS232, RS485, CAN
Cycle Life	>3500@100%DOD
Protection	Over voltage , Low voltage, Over current, Over Temperature, Low Temperature, Short circuit
Certification	UN38.3, CE
Parallel Support	Yes, Max. 16 Sets
Optional Accessories	LCD Display, MCB (125A), SNMP