

Deltec
ENERGY SOLUTIONS

BRINGING ENERGY TO LIFE

DATA SHEET



**Bringing
Energy
To Life**

DELTEC ENERGY SOLUTIONS

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51.2V200Ah

Specification Sheet

RACK MOUNTED LI-ION BATTERY



SAFETY:

- + Prismatic LiFePO4 cells-3.2V205Ah, Longer cycle life and much more safety.
- + Low voltage system, safety for application.
- + 3rd part cycle life & Safety & Performance test for cell.
- + UN38.3 certification for system.

DESIGN:

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

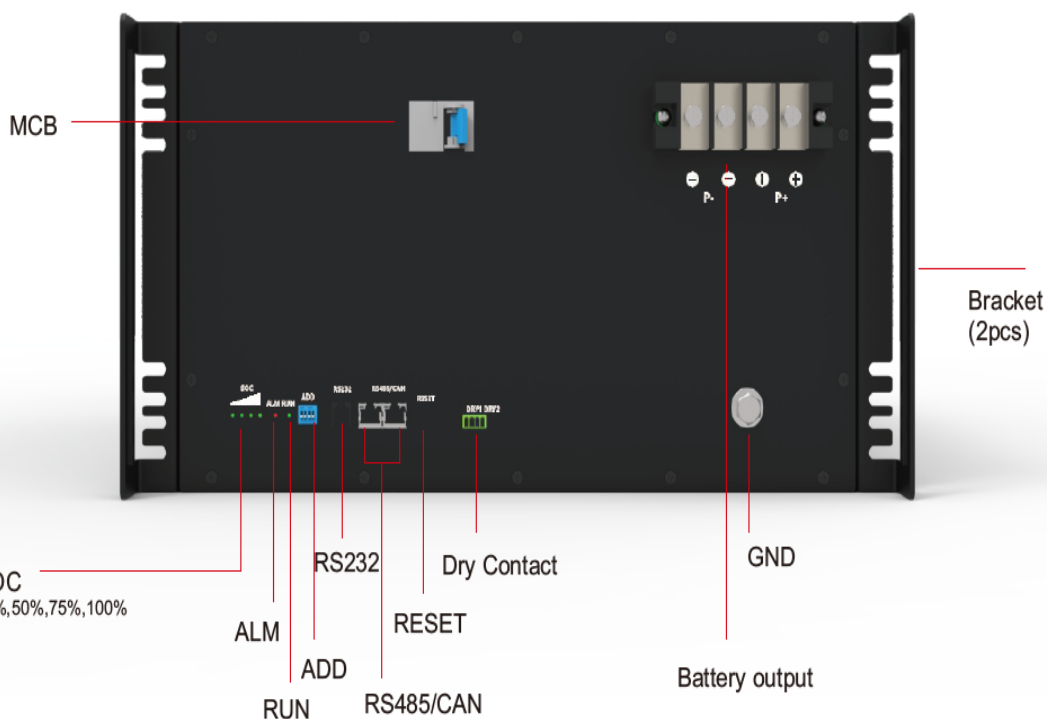
BATTERY MANAGEMENT SYSTEM

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

SCALABILITY :

- + Parallel support for more energy.
- + Optional accessories for LCD display, GPS Anti-theft.

FRONT PANEL:



51.2V200Ah

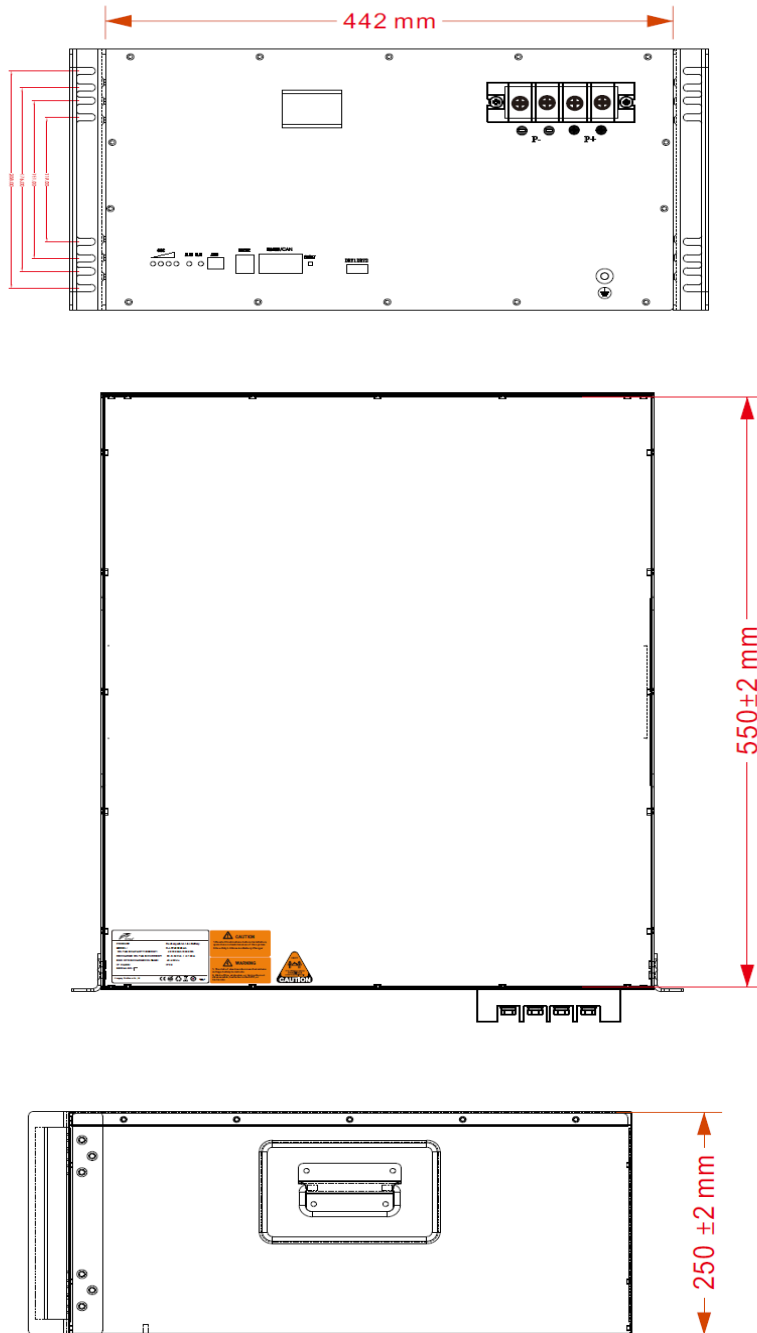
Specification Sheet

Part Number	
Model	R-LFP51.2V200Ah
Nominal Voltage [V]	51.2
Nominal Capacity [Ah]	200
Total Energy [Wh]	10240 Wh @ 100% DOD 9216 Wh @ 90% recommended cut off 8192 Wh @ 80% recommended cycling
Dimension (W*D*H, mm)	442*550*250
Weight [Kg]	80
Max. Charging Current [A]	100
Max. Discharging Current [A]	100
Pulse Discharge Current	150A @10S
Charging Voltage [V]	55.2~58.4
End of Discharge Voltage [V]	44.8 (Backup Application) / 48 (Cycle Application)
Operation Humidity	0~95% RH (No condensing)
Operating Temperature Range	Charge: 0 ~ +55°C; Discharge: -20 ~ +55°C
Cycle Life	>4000
Designed Calendar Life	10 Years
Communication interface	RS232, CAN, RS485
Protection	Over voltage , Low voltage, Over current, Over Temperature, Low Temperature, Short circuit
Parallel Support	Yes, Max. 15 Sets
Series Support	Not support



51.2V200Ah Specification Sheet

R-LFP51.2V200Ah Dimension



51.2V200Ah

Specification Sheet

INTERNAL STRUCTURE:



- | | |
|----------------------------------|------------------------------------|
| 1 Front Panel-SPCC with spraying | 7 Case -SPCC with spraying |
| 2 Power Terminal -100A | 8 Epoxy board |
| 3 MCB -DC 125A | 9 LiFePO4 cell - 3.2V 205Ah, 1P16S |
| 4 BMS -Ritar 15S 100A | 10 Aluminum - AL1060 |
| 5 Brackets-SPCC with spraying | 11 Top Cover -SPCC with spraying |
| 6 Handle- Stainless steel | |



51.2V200Ah

Specification Sheet

LED Indicator Description:

Status	Nominal Warning Protection	RUN 	ALM 	SOC    				Description
Shut down	Dormancy	OFF	OFF	OFF	OFF	OFF	OFF	
Standby	Nominal	Flash 1	OFF	Follow module capacity				Standby
	Warning	Flash 1	Flash 3					Module at low voltage
Charge	Nominal	ON	OFF	Follow module capacity				
	Warning	ON	Flash 3					
	Over-charge Protection	ON	OFF	ON	ON	ON	ON	LED turn to standby if no power supply
	Temperature, over-current, Failure protection	OFF	OFF	OFF	OFF	OFF	OFF	Stop charging
Discharge	Nominal	ON	OFF	Follow module capacity				
	Warning	ON	Flash 3					
	Under voltage Protection	OFF	OFF	OFF	OFF	OFF	OFF	Stop discharging
	Temperature, over-current, short circuit, failure protection	OFF	ON	OFF	OFF	OFF	OFF	Stop discharging
Failure		OFF	ON	OFF	OFF	OFF	OFF	Stop charging and discharging

Note:
Flash 1: light 0.25s/off 3.75s
Flash 2: light 0.5s / off 0.5s
Flash 3: light 0.5s / off 1.5s

RESET Button

When the battery in dormancy mode, press reset button 1~6s and release, the system will be activated.

When the battery in working mode, press reset button 3~6s and release, the system will turn to dormancy mode.

When the battery in working mode, press reset button 6~10s and release, the BMS will be reset and all LED indicators will be light 1.5s at the same time.

