



## RC-48/200T

### 51.2V 200Ah Lifepo4 battery

RealCurrent The Power Company produces excellent 51.2 V 200Ah lifepo4 battery module through enhanced cycling, weight and volume improvements. It can be flexible to be higher capacity through in parallels. RealCurrent's battery management systems are combined with safe and robust lifepo4 technology to show multiple levels of safe and reliability. Cell balancing, charge and discharge controls, communication and information management functions are integrated with in all modules.



Item	Description	Dimension (mm)
H	Thickness	222.0
L	Length	560.0
W	Width	482.0
W1	Width	442.0
Output Connector	100A (DW22 2P terminal) * 2	
Communication interface	RS485*2, RS232*1	
Low voltage switch	1P 125A Air Switch * 1	
Iron box color	Black	

### Lithium ion (Lifepo4) battery Features

- Long cycle life more than 4000 times (80% DOD)  
Long cycle life more than 6000 times (50% DOD)
- Robust safety with BMS and Environmentally safety without any toxic or corrosive materials
- Guaranteed longer life with 5-year standard and 10-year extendable warranty
- Space and weight efficient with dimensions W482\*L560\*H222 mm and weight about 79.0 Kg
- Flexible combination to be higher capacity in parallels
- Widely used in indoor and outdoor base stations, such as integrated base stations, marginal stations, repeaters, macro base stations, solar base stations



## Specifications of battery

Combination method	16S2P	
Rated Capacity	200.0Ah	Standard discharge after Standard Charge
Nominal Voltage	51.2V	
Discharge Cut-off Voltage	40.0V	
Charging Voltage	58.vV	
Internal Impedance	≤35mΩ	
Standard charge	0.25c	
Standard discharge	0.25c	Charging time: Approx 5h
Maximum Continuous Charge Current	100.0A	Customized
Maximum Continuous Discharge Current	100.0A	Customized
Operation Temperature Range	Charge: 0~45 °C Discharge: -20~60 °C	
Storage Temperature Range	Less then 6 months: -20~25 °C Less then 3 months: -20~40 °C Less than 7 day: -20~60 °C	60+/- 25%R.H



## Battery Management System (BMS)

The BMS will display a warning message and for sound a buzzer in the event of a warning. It will open the main relay in the event of a fault.

### Protection:

- Over/under Voltage
- Over/under temperature
- Over current
- Pre-charge control
- Balance voltage consistency

### Communication:

- RS485 and CAN
- USB
- LED module
- On/OFF Switch

