

# LITHIUM BATTERY

## 48V 200AH LifePo4 Battery

### DATA SHEET



#### FEATURES

- Nominal Capacity: 200 Ah
- Nominal Voltage: 51.2V
- Total Energy: 10 KWH
- Battery adopts highly reliable Lithium battery cells for long cycle life  $\geq 5000$  and consistent performances.
- The battery packs use advanced Battery Management System (BMS) to enhance system performance, prolong life and warrant safety

#### IDEAL APPLICATION

- Domestic & Industrial
- Solar Storage
- Switching applications and more
- Base transceiver station
- Communication equipment
- Central office
- Telecommunication systems
- Electronic cash registers
- Microprocessor based office machine

### SPECIFICATION

Item	Spec	Remarks	
Battery Type	48V 200AH LifePo4 Battery		
Combination	15 S4P		
Zone of Voltage	37.5 ~54.75 V		
Average Capacity	208 AH	0.5C	
Standard Capacity	210 AH	37.5V Discharge cut-off voltage: 0.5discharge to 37.5V	
Total Energy	10 KWH		
Internal Resistance	≤2 mΩ	Battery Cell≤2mΩ	
	≤87.5 mΩ Battery	System≤87.5mΩ	
Charging Voltage	54.75V		
Rated Charging current	41.6 A	0.2C	
Maximum Continuous Charge Current	104 A	0.5C	
Peak Charge Current	104 A	0.5C	5 S Duration: 5 S
Rated Discharge Current	104 A	0.5C	
Maximum Continuous Discharge Current	124.8 A	0.6C	
Maximum Discharge Current	52 A	1C	
Peak Discharge Current Low Temperature	208 A	1C	5 S Duration: 5 S
Discharge cut-off Voltage	37.5 V		
Insulation Resistance	≥2 MΩ		
Heat Pipe Method	Free Cooling		
Discharge Depth	80 % DOD		
Self Discharge	≤60m V 2%	2%/year	
SOC Zone of SOC	20-100 %		
Cycle Life	≥5000	80 % DOD, 0.5 C	
Storage Temperature	-40~55 °C	≤ 3	
Communication	RS 485 /cam		
System energy density	131.4 wh/Kg		
Weight	110 Kg		
Max	50*44*30 CM	Dimensions: Length*Width*Height	

### CHARGE DISCHARGE CURVE

