



Lithium Battery Pack

▶ VT48200B-A1

Intelligent lithium battery, integrated with self-designed BMS which can be widely used in various telecom and energy storage system such as indoor distribution stations, integrated base stations, edge stations, micro-cell stations, FTTX equipment, distributed power supply, standby.

▶ Key Features

- High quality LFP cells
- High rate charge/discharge current @100A
- Long design life up to 15+ years@ 25°C
- High Efficiency between charge and discharge
- Modbus/CAN/SNMP V2/SNMP V3 (optional)
- Multiple protection methods based on patented BMS
- Intelligent anti-theft solution

Specifications

Item	1P15S
Nominal Capacity	200Ah@0.2C,25°C
Nominal Voltage	48 VDC
Rated Charge Voltage	54.0 V
Max. Continuous Charge Current	100A@25°C
Discharge Cut-off Voltage	40.5 V
Max. Continuous Discharge Current	100A@25°C
Temperature Range of Charge	0°C~60°C
Temperature Range of Discharge	-20°C~60°C
Allowed Humidity Range	≤95% RH
Weight	Approx. 81 kg

Discharge data with constant current/25°C

Current/A Time/h End voltage /V	0.1C	0.2C	0.3C	0.4C	0.5C
	Hours				
46.5 V	9.43	4.60	3.05	2.30	1.67
45.0 V	9.77	4.78	3.20	2.33	1.82
43.5 V	10.00	4.88	3.28	2.43	1.93
42.0 V	10.18	5.00	3.35	2.46	1.98
40.5 V	10.30	5.15	3.40	2.54	2.00

Discharge data with constant power/25°C

Power/W Time/h End voltage /V	960	1920	2880	3840	4400
	Hours				
46.5 V	9.42	4.59	3.04	2.29	1.66
45.0 V	9.75	4.76	3.18	2.31	1.80
43.5 V	9.97	4.85	3.25	2.40	1.90
42.0 V	10.14	4.96	3.31	2.42	1.94
40.5 V	10.26	5.11	3.36	2.50	1.96

Discharge Curves

