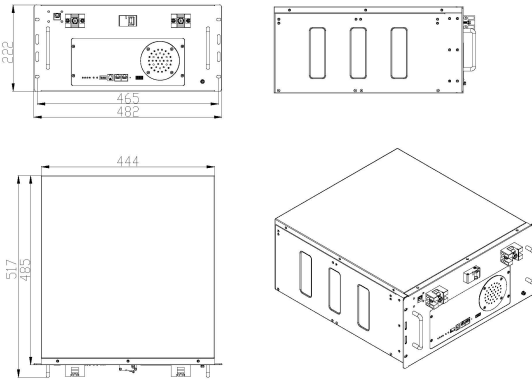


Lithium Battery Pack

▶ VT48200B-A2

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	1P16S
Nominal Capacity	200Ah@0.2C,25°C
Nominal Voltage	51.2V DC
Rated Charge Voltage	56.4 V
Max. Continuous Charge Current	100A@25°C
Discharge Cut-off Voltage	43.2 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. 84 kg
IP Level	IP 20

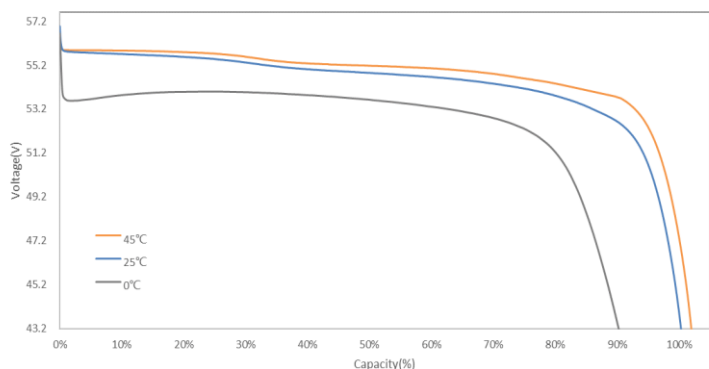
Discharge data with constant current/25°C

Time/h \ Current/A	0.1C	0.2C	0.3C	0.4C	0.5C
End voltage /V	Hours				
49.6 V	9.43	4.60	3.05	2.30	1.67
48.0 V	9.77	4.78	3.20	2.33	1.82
46.4V	10.00	4.88	3.28	2.43	1.93
44.8 V	10.18	5.00	3.35	2.46	1.98
43.2 V	10.30	5.15	3.40	2.54	2.00

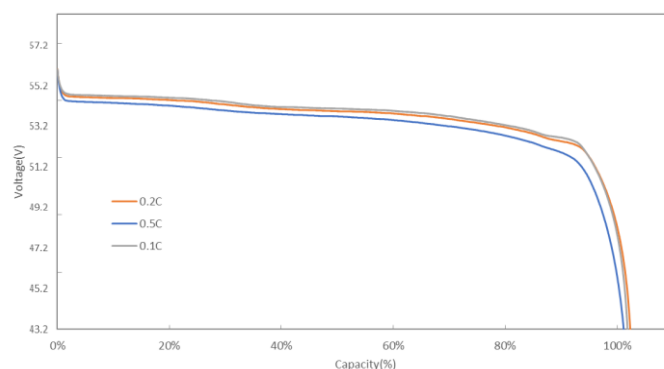
Discharge data with constant power/25°C

Time/h \ Power/W	960	1920	2880	3840	4600
End voltage /V	Hours				
49.6 V	9.42	4.59	3.04	2.29	1.70
48.0 V	9.75	4.76	3.18	2.31	1.83
46.4V	9.97	4.85	3.25	2.40	1.92
44.8 V	10.14	4.96	3.31	2.42	1.97
43.2 V	10.26	5.11	3.36	2.50	1.99

Discharge Curves



Voltage vs. Discharge Capacity Percentage under Different Temperature



Voltage vs. Discharge Capacity Percentage with Different Current Rate

