

VT48200B-A1










▶ Telecom Lithium Battery

Intelligent lithium battery, integrated with self-designed BMS and long life LFP cells, which can be widely used in various telecom and energy storage system.

▶ Design Standards

- ✓ ISO 9001
- ✓ ISO 14001
- ✓ IEC 62619
- ✓ IEC 62620
- ✓ CE
- ✓ UL
- ✓ UN38.3

▶ Key Features

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

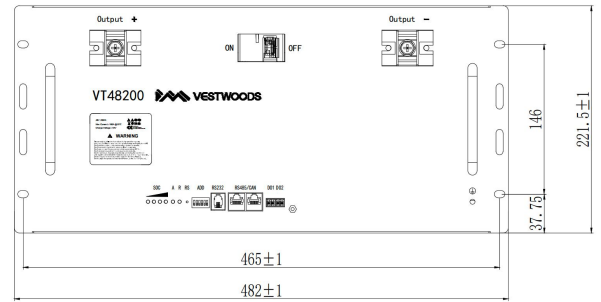
▶ Specifications

Items	15S
Nominal Capacity	200Ah@0.2C, 25°C
Nominal Voltage	48.0V
Rated Charge Voltage	54.0V
Max. Continuous Charge Current	100A@25°C
Discharge Cut-off Voltage	40.5V
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. 78kg
Dimension - W*H*D (Exclude mounting ear and hanger)	444*222*500mm
IP	IP 20

▶ Constant Current Discharge Data / 25°C

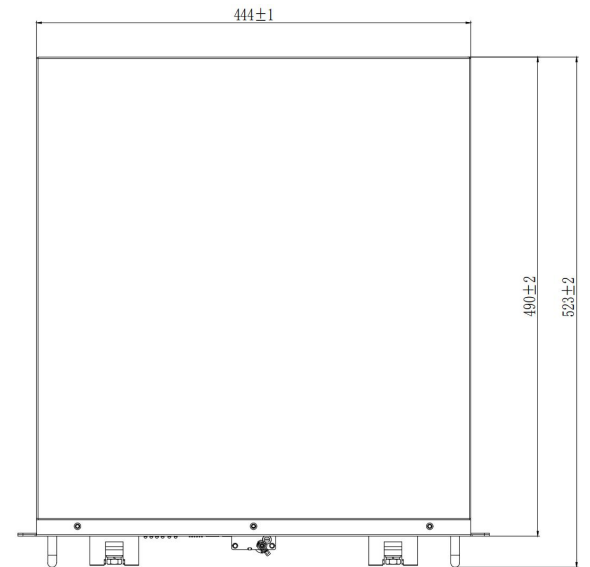
Current/A End voltage/V	0.1C	0.2C	0.3C	0.4C	0.5C
	Hours				
45.0 V	9.77	4.78	3.20	2.33	1.82
43.5 V	9.89	4.88	3.28	2.43	1.93
42.0 V	10.01	5.00	3.35	2.46	1.98
40.5 V	10.06	5.06	3.40	2.54	2.00

▶ Drawing

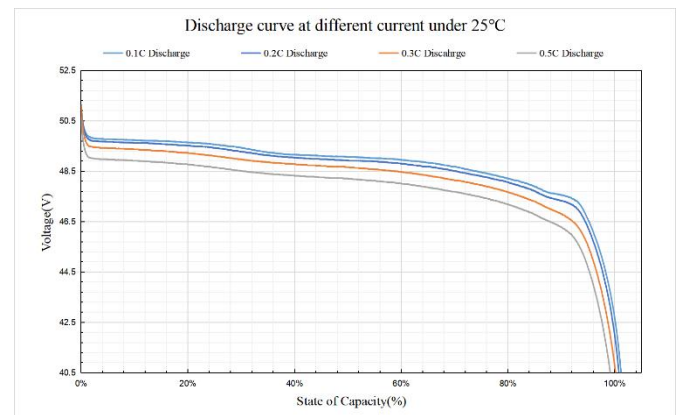
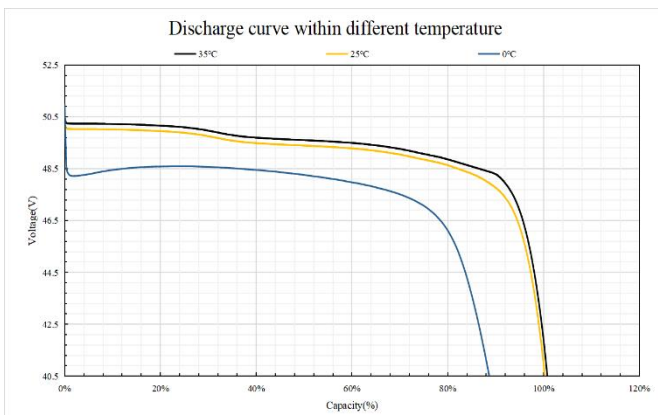


▶ Constant Power Discharge Data / 25°C

Power/W End voltage/V	960	1920	2880	3840	4400
	Hours				
45.0 V	9.75	4.76	3.18	2.31	1.80
43.5 V	9.87	4.85	3.25	2.40	1.90
42.0 V	10.02	4.96	3.31	2.47	1.94
40.5 V	10.08	5.11	3.36	2.50	1.96



▶ Discharge Curves



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Hangzhou Vestwoods Technology Co.,Ltd.

Address: Room 3409-3410, UK center, Mansion 2, EFC, Wenyi Road, Yuhang District, Hangzhou

