

VT48100E-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.

► Certifications

- ✓ ISO 9001
- ✓ ISO 14001
- ✓ IEC 62619
- ✓ IEC 62620
- ✓ CE
- ✓ UL 1973
- ✓ UL 1642
- ✓ 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 , LCD(optional)
-  CAN/SNMP V2/SNMP V3 (optional)

► Specifications

Items	15S
Nominal Capacity	100Ah@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 approx.
Weight	43kg
Dimension - W*H*D (Exclude mounting ear and hanger)	445*133.5*450mm
IP	IP 20

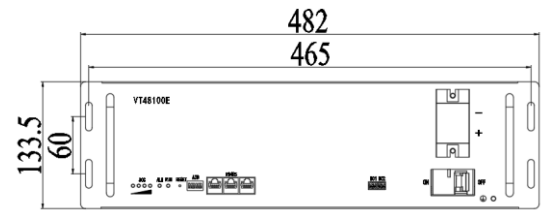
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▶ Constant current discharge data / 25°C

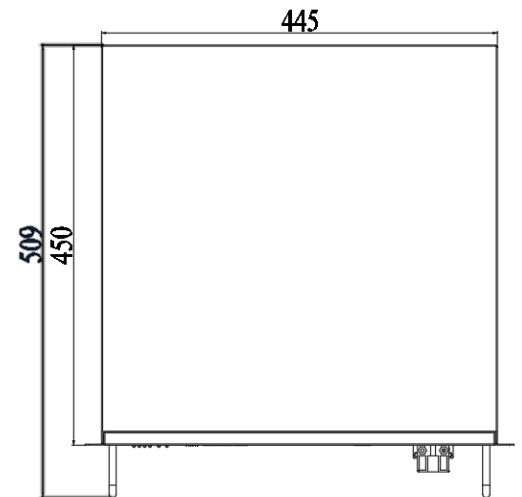
Current/A End voltage/V	0.2C	0.4C	0.6C	0.8C	1C
	Hours				
45.0 V	4.78	2.33	1.53	1.10	0.87
43.5 V	4.88	2.43	1.57	1.18	0.94
42.0 V	5.00	2.46	1.65	1.22	0.97
40.5 V	5.15	2.54	1.67	1.24	1.00

▶ Drawing

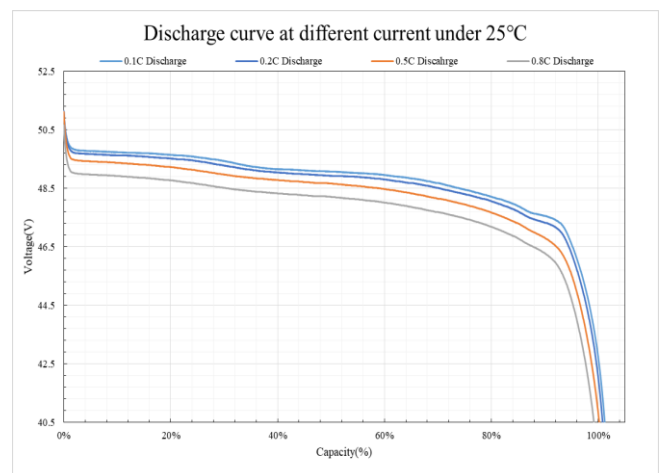
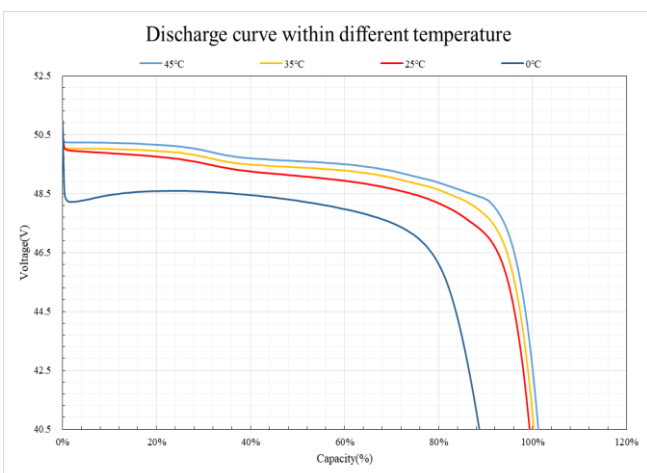


▶ Constant power discharge data / 25°C

Power/W End voltage/V	960	1920	2880	3840	4400
	Hours				
45.0 V	4.76	2.31	1.51	1.08	0.84
43.5 V	4.85	2.40	1.54	1.15	0.88
42.0 V	4.96	2.42	1.61	1.18	0.92
40.5 V	5.11	2.50	1.63	1.20	0.94



▶ Discharge Curves



General Disclaimer

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