

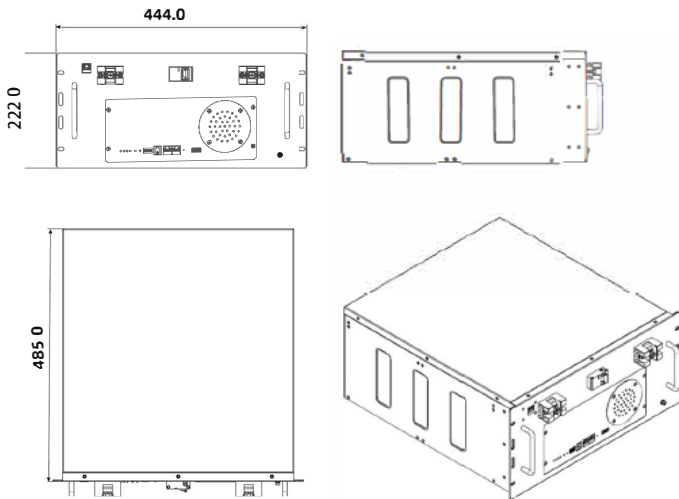
Lithium Battery Pack

▶ VT48150B-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 and deep cycle ESS

| Key Features

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



| Specifications

Item	15S
Nominal Capacity	150Ah@0.2C,25°C
Nominal Voltage	48V DC
Rated Charge Voltage	54V
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. 65 kg
Ip protection Level	IP 20

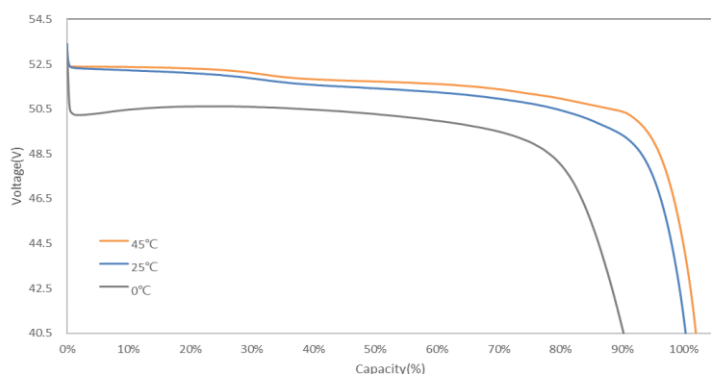
Discharge data with constant current/25°C

Time/h \ Current/A	0.1C	0.2C	0.33C	0.5C	0.67C/100A
	Hours				
46.5 V	0.961	4.81	2.86	1.8	1.41
45.0 V	0.98	4.92	2.93	1.92	1.46
43.5 V	0.952	4.97	2.98	1.97	1.47
42.0 V	10.01	5.03	3.01	1.99	1.49
40.5 V	10.06	5.06	3.04	2.02	1.52

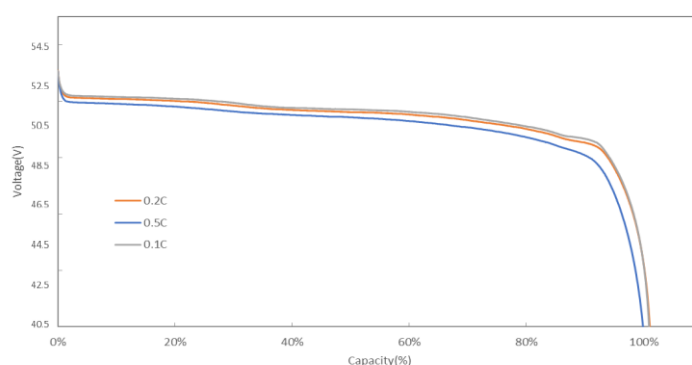
Discharge data with constant power/25°C

Time/h \ Power/W	480	960	1580	2400	3800	4400
	Hours					
46.5 V	14.49	7.23	4.29	2.78	1.59	1.25
45.0 V	14.75	7.40	4.42	2.92	1.81	1.43
43.5 V	14.90	7.48	4.49	2.96	1.85	1.45
42.0 V	15.01	7.54	4.52	2.99	1.89	1.47
40.5 V	15.0	7.56	4.56	3.01	1.90	1.49

Discharge Curves



Voltage vs. Discharge Capacity Percentage under different temperature



Voltage vs. Discharge Capacity Percentage with different constant current rate