

Lithium Battery Pack

▶ VT48150B-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 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	51.2 VDC
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. 68 kg
Ip protection Level	IP 20

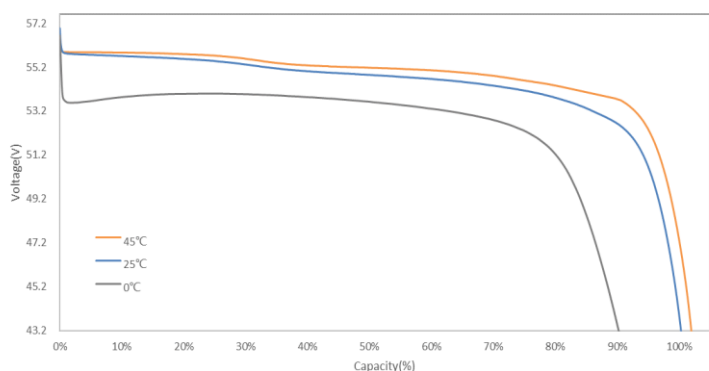
Discharge data with constant current/25°C

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

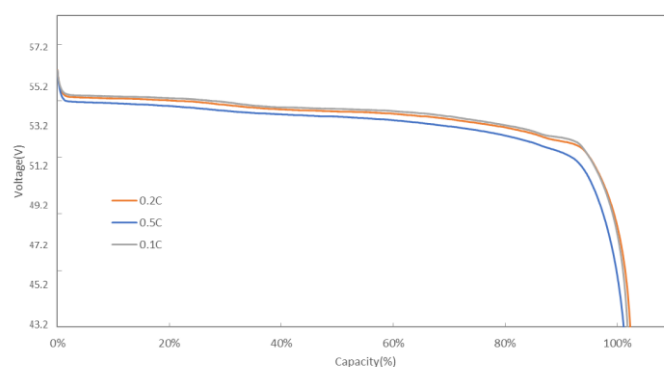
Discharge data with constant power/25°C

Time/h \ Power/W	530	1060	1740	2550	4050	4600
	Hours					
49.6 V	14.19	7.03	4.19	2.78	1.49	1.25
48.0 V	14.45	7.20	4.32	2.92	1.68	1.43
46.4 V	14.60	7.28	4.39	2.96	1.71	1.45
44.8 V	14.71	7.34	4.42	2.99	1.74	1.47
43.2 V	14.76	7.36	4.46	3.01	1.75	1.49

Discharge Curves



Voltage vs. Discharge Capacity Percentage under different temperature



Voltage vs. Discharge Capacity Percentage with different constant current rate