Telecom Lithium Battery

T48100(4U)

- Compact 4U rack design, easy and safe to install
- Safe LFP chemistry technology
- Long cycle and service life
- Optional remote monitoring & Anti-theft function
- Support maximum 32 sets in parallel connection
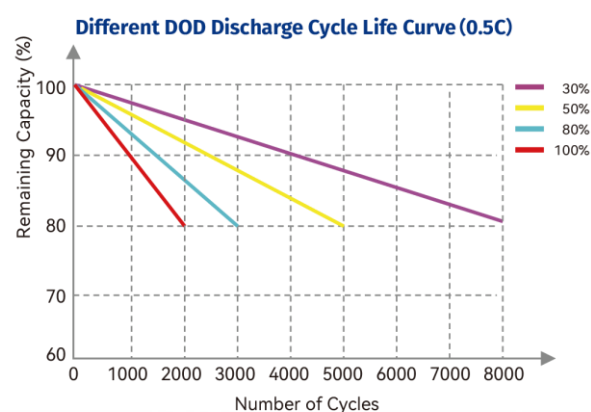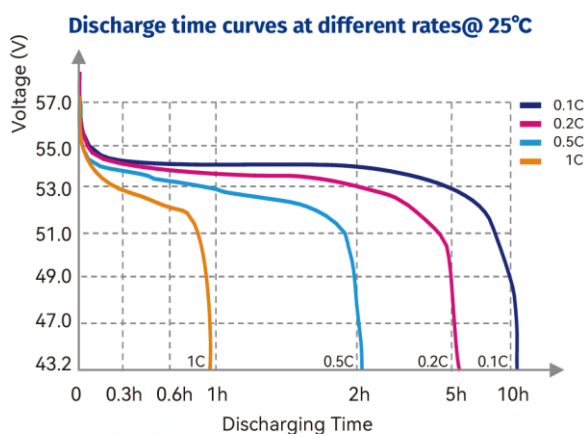
Technical Specifications

Battery Cell Connection	16S
Rated Voltage (V)	51.2
Rated Capacity (Ah)	100
Rated Energy (Wh)	5120
Operating Voltage Range (V)	43.2 ~ 56.8
End-of-Discharge Voltage (V)	43.2
Limited Charge Voltage (V)	54.5±0.5
Standard Charge/Discharge Current (A)	50CH/50DCH
Maximum Charge/Discharge Current (A)	100CH/100DCH
Max Continuous Output Power (W)	5000
Lithium Chemistry	$LiFePO_4$
Cycle Life	> 3500 @ 80% DOD
Calendar Life	≥ 10 years
Communication	RS485, CAN
Dimension (mm)	W442 * D450 * H177 ±1(4U)
Weight (kg)	Approx.46±1.5
Protection Rating	IP 30
Safety Standards	CE(EMC),IEC62619, UN38.3
Display Screen	Optional

Environmental Specifications

Storage Temperature (°C)	-20 ~ 45
Operating Temperature Charging (°C)	0 ~ 55
Operating Temperature Discharging (°C)	-20 ~ 60
Operating Relative Humidity	5 ~ 95%

Discharging Diagram

Time (h)	1	2	3	5	10
Constant Current (A)	93	49	33	20	10
Constant Power (W)	4732	2500	1700	1024	512

Notes:

When the battery pack is idle for a long time, please keep its power level at about 50%; When the battery pack needs long-term storage or idleness, it should be recharged every three months, and the power level is maintained at about 50%.

Please keep the battery pack in a dry and ventilated place, avoid contact with corrosive substances, and keep away from fire and heat sources.