

Telecom Smart Lithium Battery



TS48150

- Multi work mode, programmable constant DC voltage output
- Bidirectional boost/buck circuit technology
- Constant 48V voltage output in long distance
- Safe LFP chemistry technology
- Parallel with existing batteries to save investment
- Support maximum 32 sets in parallel connection
- Fully compatible with conventional supply system powered by VRLA

Technical Specifications

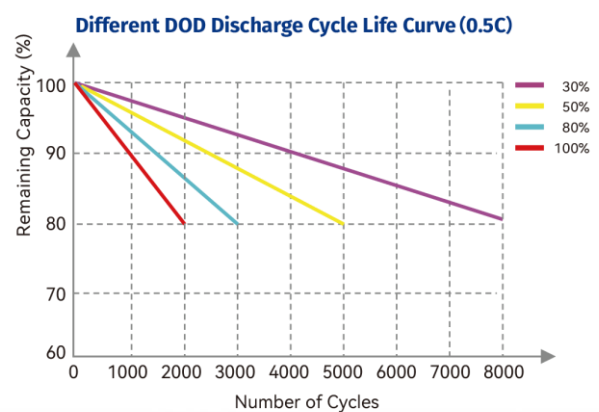
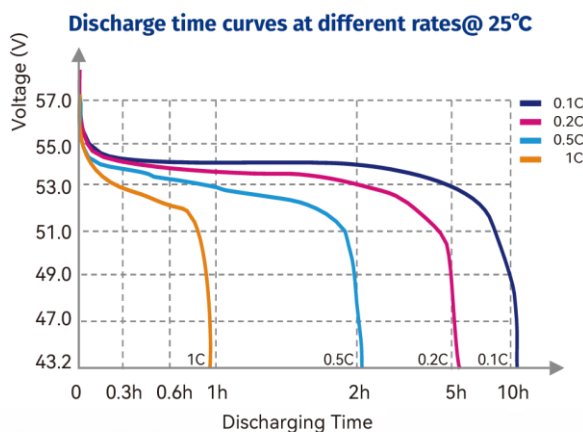
Battery Cell Connection	15S
Rated Voltage (V)	48
Rated Capacity (Ah)	150
Rated Energy (Wh)	7200
Operating Voltage Range (V)	40.5-54V
End-of-Discharge Voltage (V)	40.5
Limited Charge Voltage (V)	51.5
Standard Charge/Discharge Current (A)	75CH/75DCH
Maximum Charge/Discharge Current (A)	100CH/100DCH
Max Continuous Output Power (W)	7200
Lithium Chemistry	LiFePO ₄
Cycle Life	> 3500 @ 80% DOD
Calendar Life	≥ 10 years
Communication	RS485, CAN
Dimension (mm)	W442 * D560 * H177 ±1
Weight (kg)	Approx 57±1.5
Protection Rating	IP 30
Safety Standards	IEC62619, UL1642, UN38.3

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)	1.5	3	4	5	10
Constant Current (A)	95	50	37.5	30	15
Constant Power (W)	4560	2400	1785	1440	768



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.

