

Technical specification

Lithium Titanate Oxid Battery Cell LTO 2.3V 45AH (Cyllindrical)

YL-LTO-45-AH



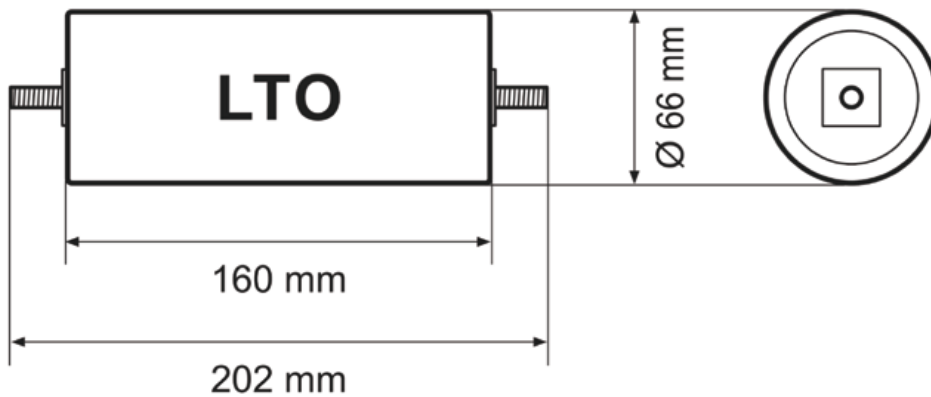
Yinlong
银隆新能源



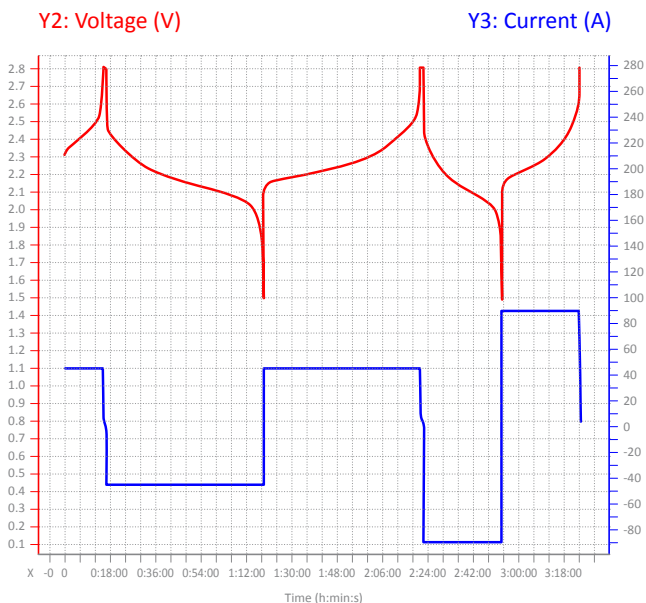
Key Features

1. FASTER CHARGING: fully charged in 10 minutes
2. HIGH DISCHARGE RATE: up to 10C
3. WIDE WORKING TEMPERATURE RANGE: $-45^{\circ}\text{C} \sim +65^{\circ}\text{C}$
4. VERY LONG LIFETIME: over 25,000 cycles

Engineering drawing (mm)



Curves



Technical specification

YL-LTO-45-AH	Specifications
Battery type	NANO Lithium Titanate Battery (LTO)
Electrical data	
Nominal capacity	45Ah
Nominal Voltage	2.3V
Internal resistance	0.29mΩ
Max. charging current	10 C (450A)
Charging upper limit voltage	2.8V
Max. discharge current	10 C (450Ah)
Discharge cut-off voltage	1.5V
Cycle lifetime	>25,000
Operational requirements	
Operating ambient temperature	-45°C ~ 65°C (Charging) -45°C ~ 65°C (Discharging)
Storage ambient temperature	-45°C to +65°C
Mechanical data	
Weight	1.25 kg
Cell construction type	Cylindrical
Cell diameter	66 mm
Cell height (excluding terminals)	160 mm
Cell height (including terminals)	202 mm
Shell material	Aluminum



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