

High Discharge Rate Long Cycle Life LTO Battery

LTO66160-30Ah/40Ah/45Ah

Lithium Titanate Performance

Advantage:

1. 30 years super long service life, more than 25000 times recycles ($\geq 80\%$ initial capacity).
2. Large capacity, high consistency with nanomaterial.
3. Low self-discharge and good discharge performance at ultra-low temperature. ($-50^{\circ}\text{C} \sim 65^{\circ}\text{C}$)
4. Strong charging and highly efficient charge, no memory effect (6 minutes full charge).
5. High security, ZERO Driving Accident Worldwide.
6. Maintenance-free and no acid or water for maintenance in usage, easily replace lead acid battery.
7. Excellent large current discharge performance, and have obvious advantages in start up and climbing.
8. Green, environmental friendly.

Applications

Solar / Wind energy storage system,
UPS, back-up power, ESS
Telecommunication,
Home Solar Energy Storage System,
Car audio, Car Starter,
Forklift, etc.

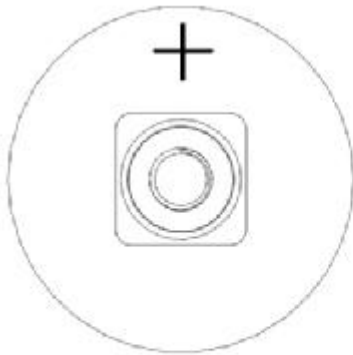
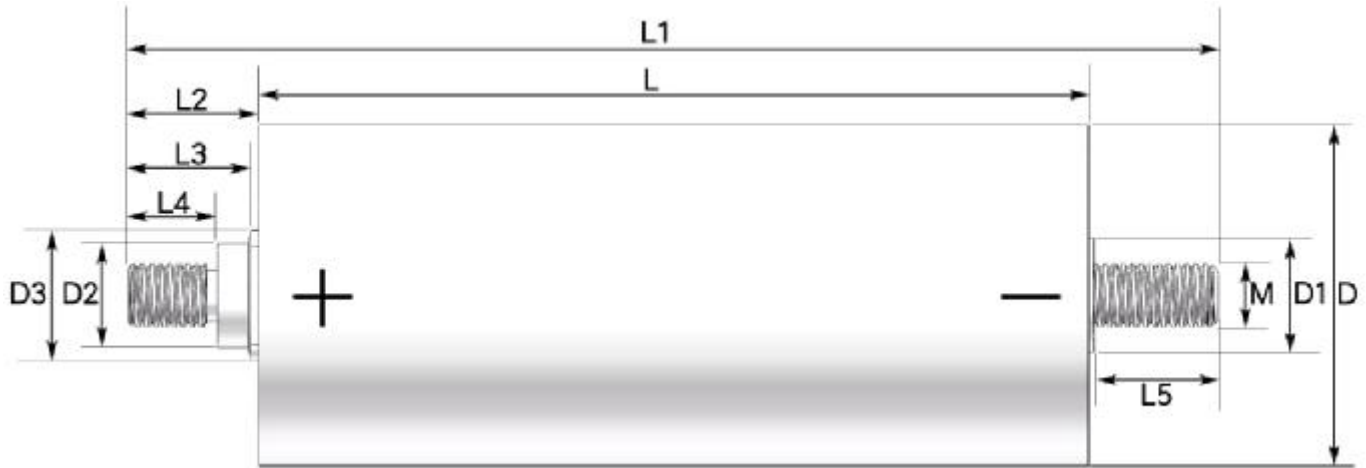


Li4Ti5O12
LTO66160

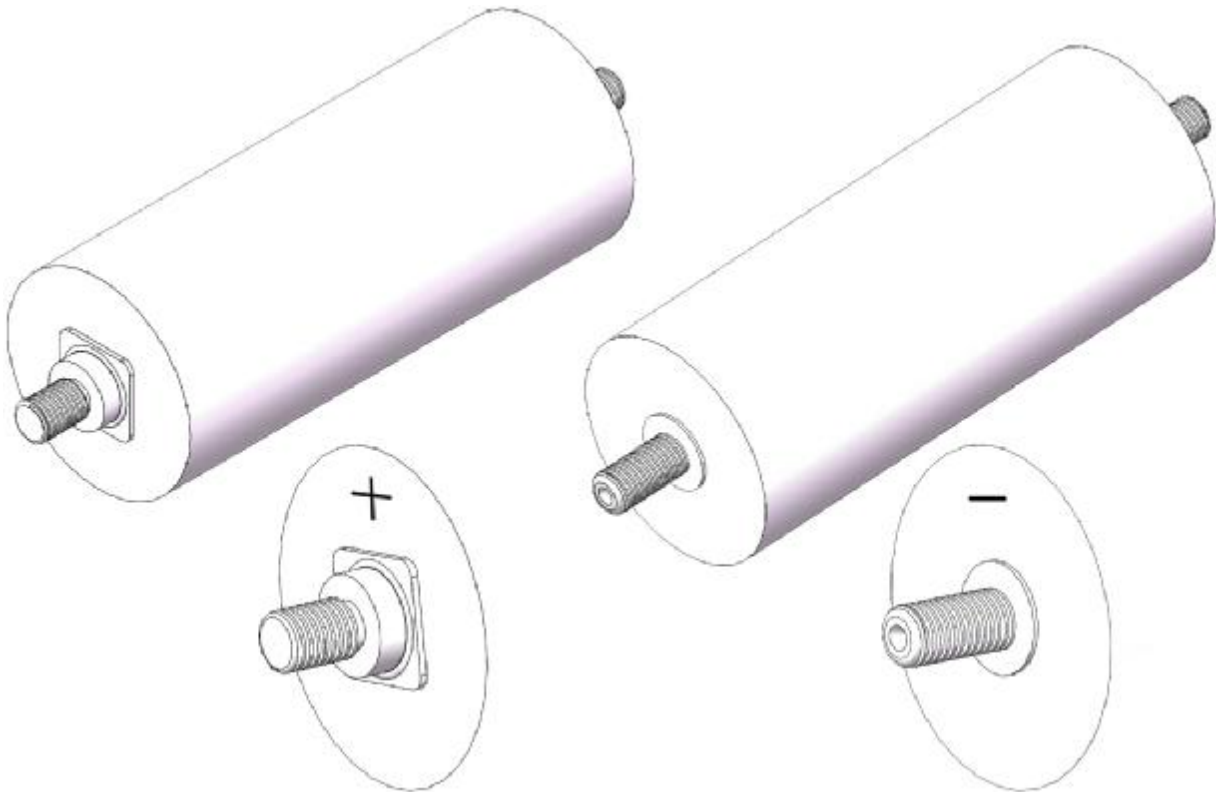
Specification

Battery Cell:					
Electrical Characteristics	Normal Voltage	2.3V			
	Material	LTO			
	Nominal Capacity	LTO66160-30Ah	LTO66160-40Ah	LTO66160-45Ah	
		Max.: 32.2Ah	42.2Ah	47.2Ah	
		Min.: 31.2Ah	41.5Ah	46.5Ah	
	Internal Resistance	$\leq 0.7\text{m}\Omega$			
	Cycle Life	>25000 cycles @ 1C 100%DOD 25 $^{\circ}\text{C}$			
Months Self Discharge	<3%				
Standard Charge	Charge Voltage	2.8 \pm 0.1V			
	Charge Mode	Constant Current 1C, Constant Voltage 2.8V (CC/CV)			
	Standard Charge Current	5C			
	Max. Cont. Charge Current	10C			
	Charge Cut-off Voltage	2.8 \pm 0.1V			
Standard Discharge	Standard Discharge	Constant Current 1C, End Voltage 1.5V			
	Max. Cont. Discharge Current	5C			
	Max. Pulse Current	10C			
	Discharge Cut-off Voltage	1.5V			
Environmental	Charge Temperature	-50°C to 65°C			
	Discharge Temperature	-50°C to 65°C			
	Storage Temperature	-20°C to 45°C (within 1 month)			
-20°C to 20°C (within 1 year)					
Mechanical	Cell Dimensions	Diameter X Height: 66mm X 160mm			
	Battery Cell Weight (kg.)	1.17Kg-30AH	1.20Kg-40AH	1.22Kg-45AH	

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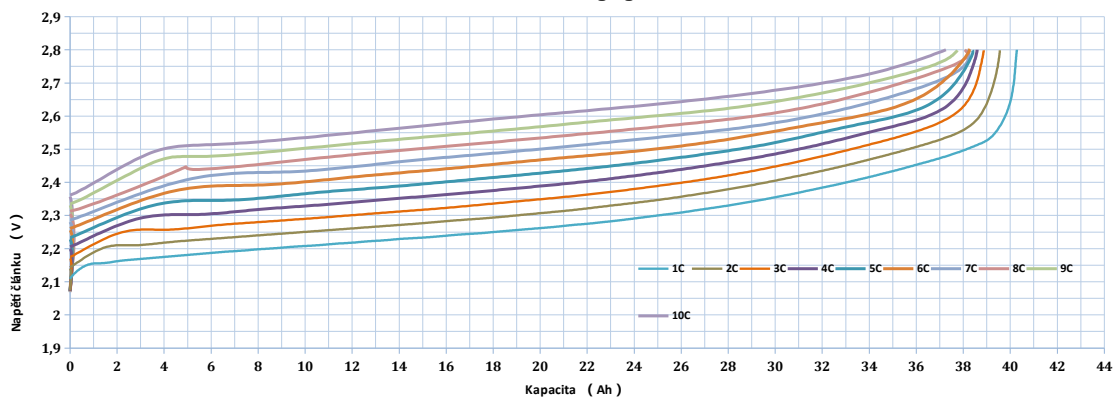
ITEM:	L	L1	L2	L3	L4	L5	D	D1	D2	D3	M
VALUE:	160mm	211mm	26mm	24mm	17mm	24mm	φ 66mm	φ 22mm	φ 20mm	25mm	M12
TOLERANCE:	±1.0	±1.0	±1.0	±1.0	±1.0	±1.0	±0.5	±0.5	±0.5	±1.0	/





Nabíjení a vybíjení při 25°C

LTO-66160-40Ah Rate Charging curve@25°C



LTO-66160-40Ah Rate Discharging curve@25°C

