



## 2.3V/40Ah LTO Battery Cell Specification

### 1. Applicable Scope

This product is mainly used in the power fields of pure electric / hybrid electric vehicles, electric forklift, special vehicles etc, and the energy storage fields of photovoltaic / wind power generation system, communication base station power supply, household / industrial UPS, energy storage power station etc.

### 2. Technical Parameters

Item	Parameters	
Manufacturer	Yinlong	
Model	LTO-66160	
Materials	LTO	
Nominal capacity	40Ah	
Nominal voltage	2.3 V	
Dimensions	Length: Cell $160 \pm 1.5\text{mm}$	
	Length: Cell + Terminal Posts $210 \pm 1.5\text{mm}$	
	Diameter: $66 \pm 1\text{mm}$	
Weight	$1.24 \pm 0.1\text{kg}$	
Internal Resistance	$\leq 1\text{m}\Omega$	
Operating voltage	Charge cut-off voltage	2.8 V
	Discharge cut-off voltage	1.5 V
Standard charge current	1C(40A)	
Standard discharge current	1C(40A)	
Maximum charge current	10C(400A)	
Maximum discharge current	10C(400A)	
Cycle life	30000 times	
Operating Thermal Ambient	Charging	$-50^{\circ}\text{C} \sim 65^{\circ}\text{C}$
	Discharging	$-50^{\circ}\text{C} \sim 65^{\circ}\text{C}$
Storage Thermal Ambient	Short term(within 1 month)	$-20^{\circ}\text{C} \sim 45^{\circ}\text{C}$
	Short term(within 1 year)	$-20^{\circ}\text{C} \sim 20^{\circ}\text{C}$

### 3. Picture

