


# C10-LFP277S



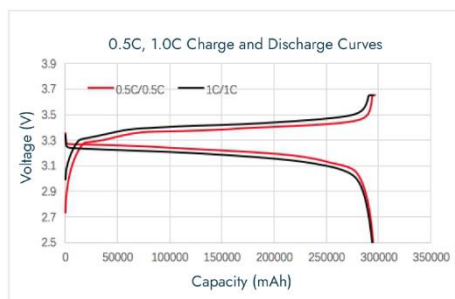
## Features

- Excellent thermal and chemical stability for increased safety.
- Outstanding cycle life with maximum reliability.
- Improved energy density over earlier products through new materials and lightweight design.
- Modular prismatic design fits many applications.
- Standardized cell format design provides large area bolt terminals with BMS stud.
- Manufactured by ETC Battery in China.

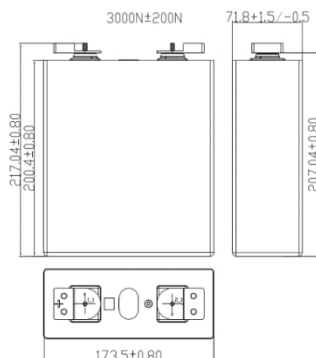
## Specifications

	Dimension (Screw terminal)	71.8mm x 173.5mm x 217.1mm
	Weight	max. 5.8kg
	Min. capacity	277Ah(1C) (25±2) °C
	Min. energy	886.4Wh(1C) (25±2) °C
	SOC window	10 ~ 90%
	Terminal	Screw terminal and stud for BMS
	Impedance (1kHz)	≤0.4mΩ
Voltage	Max.	3.65V
	Nominal	3.2V
	Min.	2.5V(0~60°C) / 2.0V(-20~-0°C)
Current	Maximum continuous charge	1C
	Maximum continuous discharge	1C
Energy density	Gravimetric	152Wh/kg
	Volumetric	343Wh/L
Temp. Condition	Operation (Charge)	0~60°C
	Operation (Discharge)	-20~60°C
Self-Discharge Rate	Count after fresh cell need Standard Charge to 50%SOC and storage at 25±2°C for 3 months	≤3.5%
Cycle Life	1C/1C, 80% DOD 25°C	≥3000cycles
Service Life	25°C average temperature	5years/20000km
Abuse test	Overcharge, Over-discharge, Short, Heat	GB/T 31485-2015
	Peak Charge Rate: 277A	Peak Discharge Rate: 831A @ 60 sec

## Charge and discharge curve



## Dimensions



## Certification

