


## Premium Lithium Cell

# BYD-LFP-310Ah

- Holistic safety concept of cell
- Outstanding cycle life with maximum reliability
- Continuously improved energy density through new materials and light weighting technology
- Modular design for various applications and easy upgrade to next generations
- Standardized cell format

Item	Specification	
	Dimension (Welding terminal)	(H)207*(W)173*(T)71mm
	Weight	5600 g
	Min. capacity	310Ah (0.5C) @ 25°C
	Min. energy	992Wh (0.5C) @ 25°C
	SOC window	0 ~ 100%
	Terminal	Welding/ Screw terminal
	Impedance (1kHz)	0.15 mΩ
Voltage	Max.	3.65 V
	Nominal	3.20 V
	Min.	2.50 V
Current	Maximum continuous charge	310 A
	Maximum sustained discharge	310 A
	Maximum discharge long pulse	630 A @60s
Energy density	Gravimetric	177Wh/kg
	Volumetric	378Wh/L
Temp. Condition	Operation (Charge)	0 ~ 55°C
	Operation (Discharge)	-20 ~ 55°C
	Storage	-30 ~ 55°C
Self-Discharge Rate	50% SOC and storage at 25±2°C for 3 months	≤3%
Cycle Life	1C/1C, 80% DOD 25°C	4'500 cycles
Service Life	25°C average temperature	5 years
Abuse test	Overcharge, Over-discharge, Short, Heat	GB/T 31485-2015