



LiFePO₄ is currently the leading battery technology for powering electric vehicles due to their high energy and power density, robust nature and exceptional cycle life (typically 2000-3000 cycles).

Headway cells have a slightly higher energy density than the larger prismatic cells but offer much higher discharge rates at around 10C (100A from one 10Ah cell).

These cylindrical cells have M6 threaded terminals on either end for easy, reliable connection. We also sell suitable connectors and holders for building these cells into packs.

Specifications of 38120 Battery

NO.	Model		38120
1	Nominal Capacity:		10000mAh
2	Rated voltage		3.2V
3	Energy density (Wh/kg)		105
4	Internal Resistance		≤4m Ω
5	Charge (CC-CV)		Charged with constant current to 3.65v and then charged with constant voltage to 0.1-0.2A
6	Charge (float)		≤3.6V
7	Max. charging current		3C (30A)
8	Standard. charging voltage		3.65±0.05V
9	Recommended charging current		0.5C,5A
10	Max. continuous discharging current		3C (30A)-10C(100A)
11	Max.pulse discharging current(30seconds)		15C (150A)
12	Recommended discharging current		1C(10A)
13	Max. End-off discharged voltage		2.0V
14	Self discharge rate (monthly)		2-3%
15	Dimensions (mm)	Diameter	38±1
		Height	132±1
16	Weight (Approx.)		330g
17	Working temperature	Charging	0~45℃
		Discharging	-20~65℃
18	Storage temperature	In one month	-20~45℃
		In six months	-20~35℃