

High Power Lithium-ion Cell

IFP45120146 - 60Ah

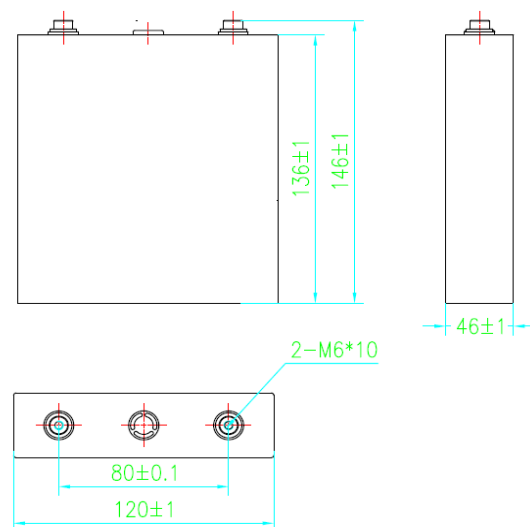
1.Scope

WINA High power lithium-ion battery cells with the aluminum case that are automatically manufactured and produced under the strict quality control to ensure long life, safety and very high performance.

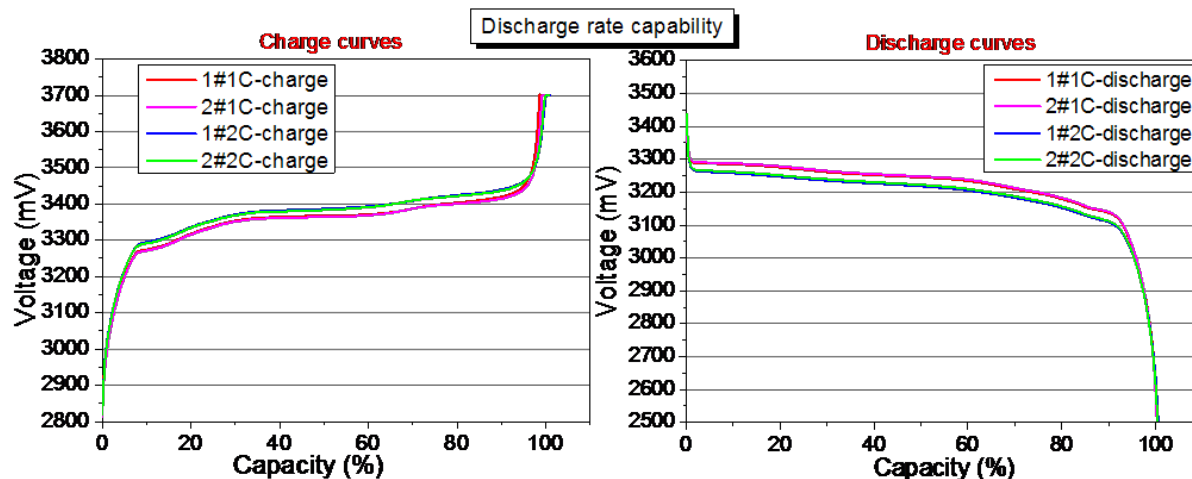
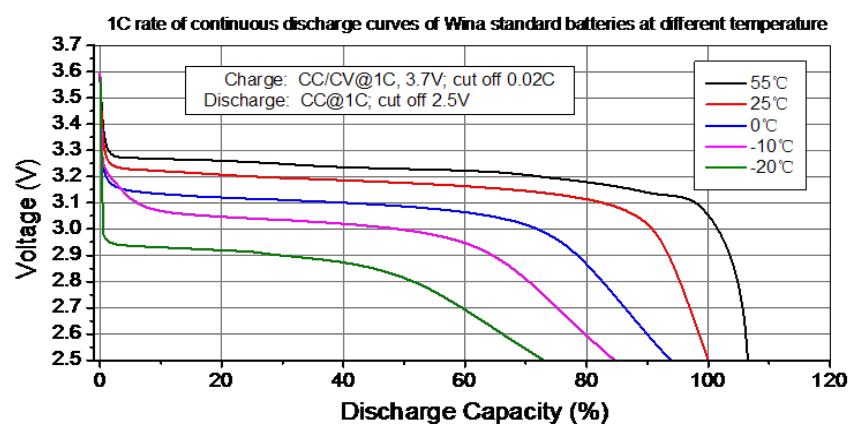
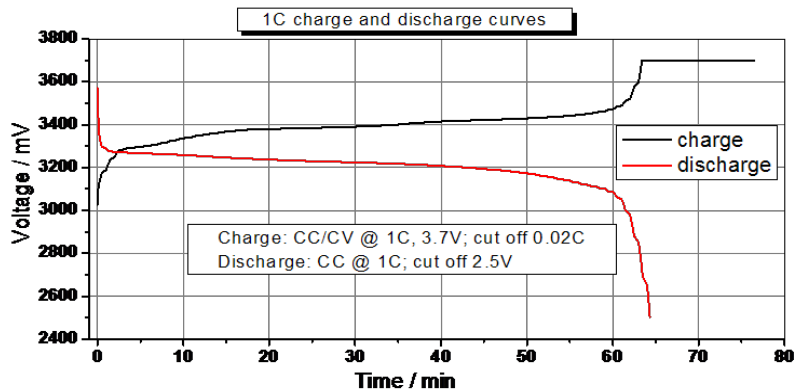
2. Applications

WINA High power cells find their applications in all kind of power and storage applications, such as e-cars, e-buses, e-trucks, fork lifters, e-scooters as well as energy storage applications.

3. Specification



Items		Parameter
Battery type		LiFePO ₄
Nominal capacity		60Ah
Nominal voltage		3.2V
Resistance		< 2mΩ
Charge		
Standard Charging Mode		CC/CV
End of Charging Voltage		3.7V
Standard Charging Current		1C (60A)
Discharge		
End of Discharging Voltage		2.5V
Standard Discharging Current		1C (60A)
Max. Continuous Discharging Current		3C (180A)
Weight of Single Cell		1500 \pm 100 g
Dimension (L*W*H)		120 $_{-1}^{+1}$ × 46 $_{-1}^{+1}$ × 146 $_{-1}^{+1}$ mm
Operating Temperature Range	Charging	0 ~ 45℃
	Discharging	-25 ~ +55℃
Storage Temperature	One month	0 ~ 60℃
	Six months	0 ~ 25℃
Cycle Life (80%DOD)		>2000 Times
Self-discharge Rate per Month		<3%



Applications

TRANSPORTATION SOLUTIONS

Hybrid, plug-in hybrid and electric vehicle battery systems for:

- Electric buses, E-trucks
- Passenger Vehicles
- Scooters
- Boats
- Off-highway Vehicles

COMMERCIAL SOLUTIONS

- Home Energy Storage System
- UPS Data center
- Telecom and IT backup
- Industrial Equipment

GRID SOLUTIONS

- Frequency Regulation
- Renewable Energy Integration
- Reserve capacity

This document represents typical data. Performance may vary depending on use conditions and applications. 05/2015