

## High Power Lithium-ion Cell

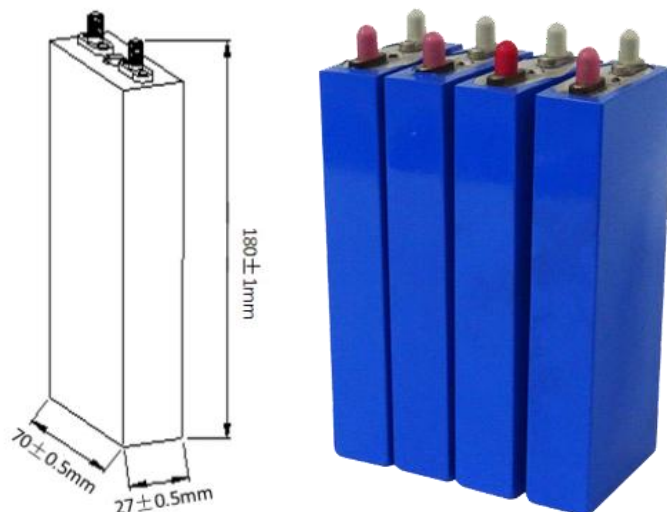
### IFP2770180 - 25Ah

#### 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

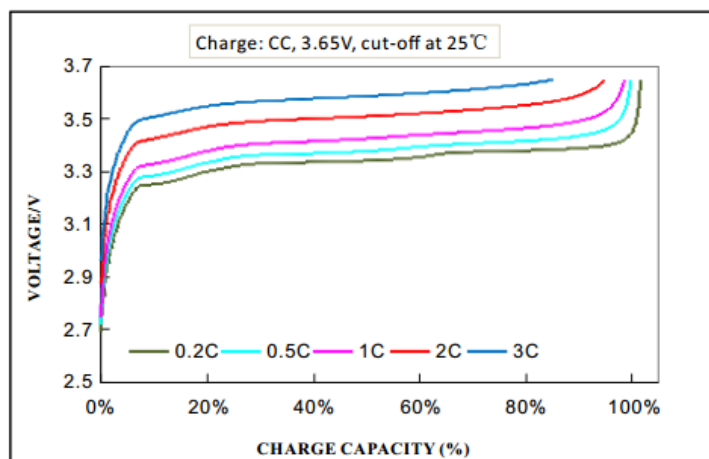
WINA High power cells find their applications in all kind of power and storage applications, such as e-cars, e-buses, e-trucks, fork lifters, e-scooters as well as energy storage applications, such as solar, UPS, household systems, containe



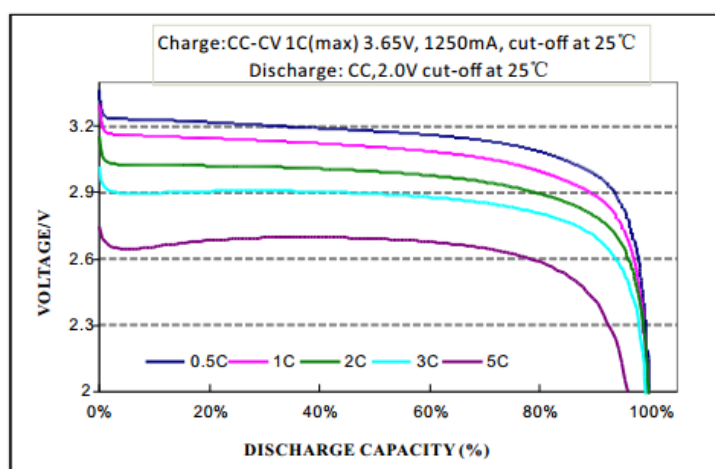
#### 3. Specification

Items		Parameter
Battery type		LiFePO <sub>4</sub>
Nominal capacity		25Ah
Nominal voltage		3.2V
Resistance		≦ 4mΩ
<b>Charge</b>		
Standard Charging Mode		CC/CV
End of Charging Voltage		3.65V
Standard Charging Current		1C (25A)
<b>Discharge</b>		
End of Discharging Voltage		2.5V
Standard Discharging Current		1C (25A)
Max. Continuous Discharging Current		3C (75A)
Weight of Single Cell		650±20 g
Dimension (L*W*H)		27 <sup>-0.5</sup> <sub>0.5</sub> ×70 <sup>-0.5</sup> <sub>0.5</sub> ×180 <sup>-1</sup> <sub>1</sub> mm
Operating Temperature Range	Charging	0 ~ 45℃
	Discharging	-20 ~ +55℃
Storage Temperature		-10 ~ +30℃
Cycle Life (1C/1C)		≧ 2000 Times
Self-discharge Rate per Month		<3%

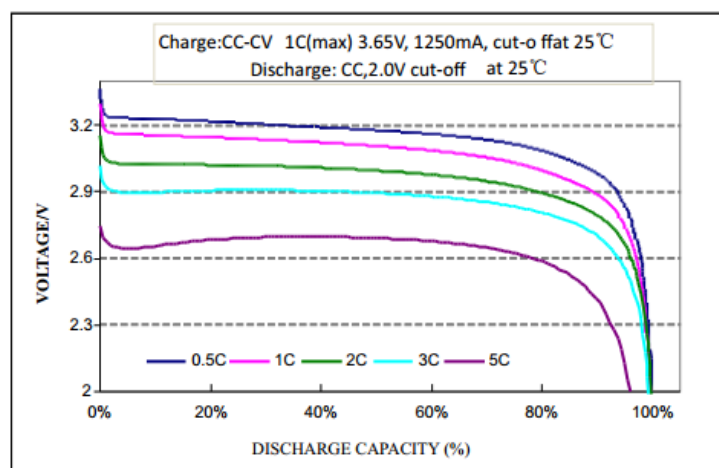
## Charge Performance:



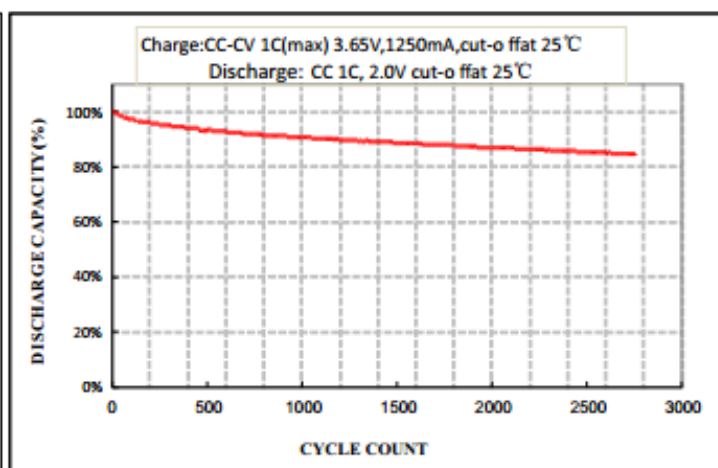
## Discharge performance @different temperature



## Discharge performance @different C-Rate



## Cycle life performance



## 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. 08/2017