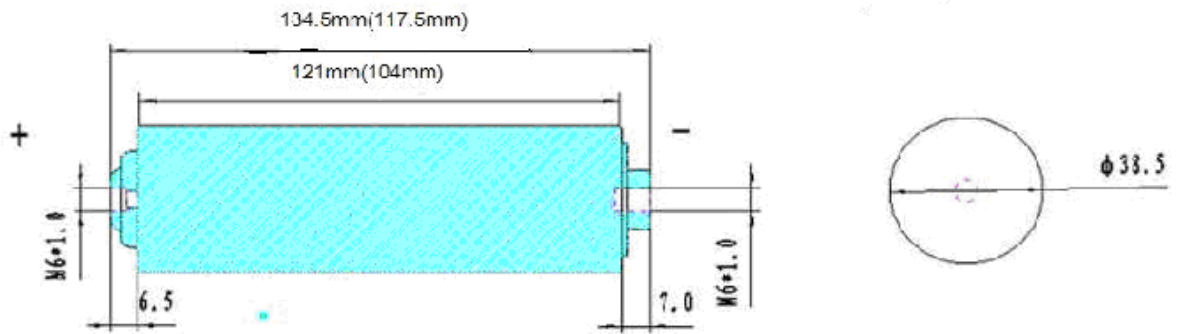


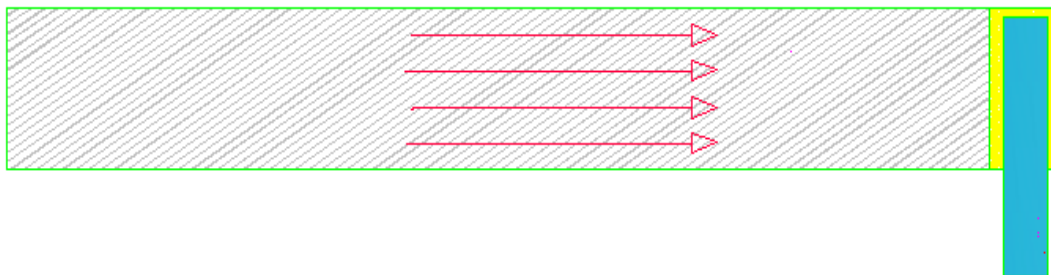
# HeadWay LiFePO4 38120 Specifications

## Drawing



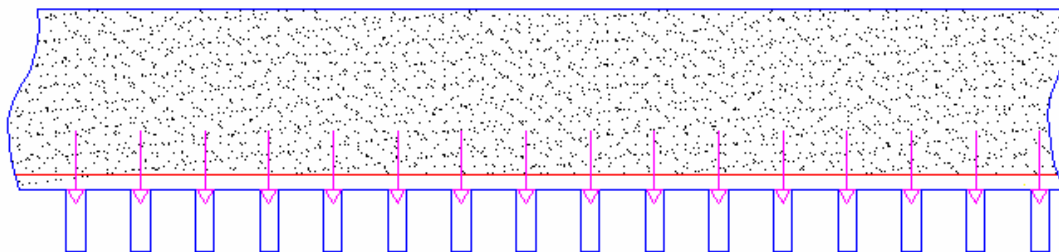
## Technical comparing

### 1. traditional small cylindrical cell technical



The current was collected lengthways

### 2. patent technic



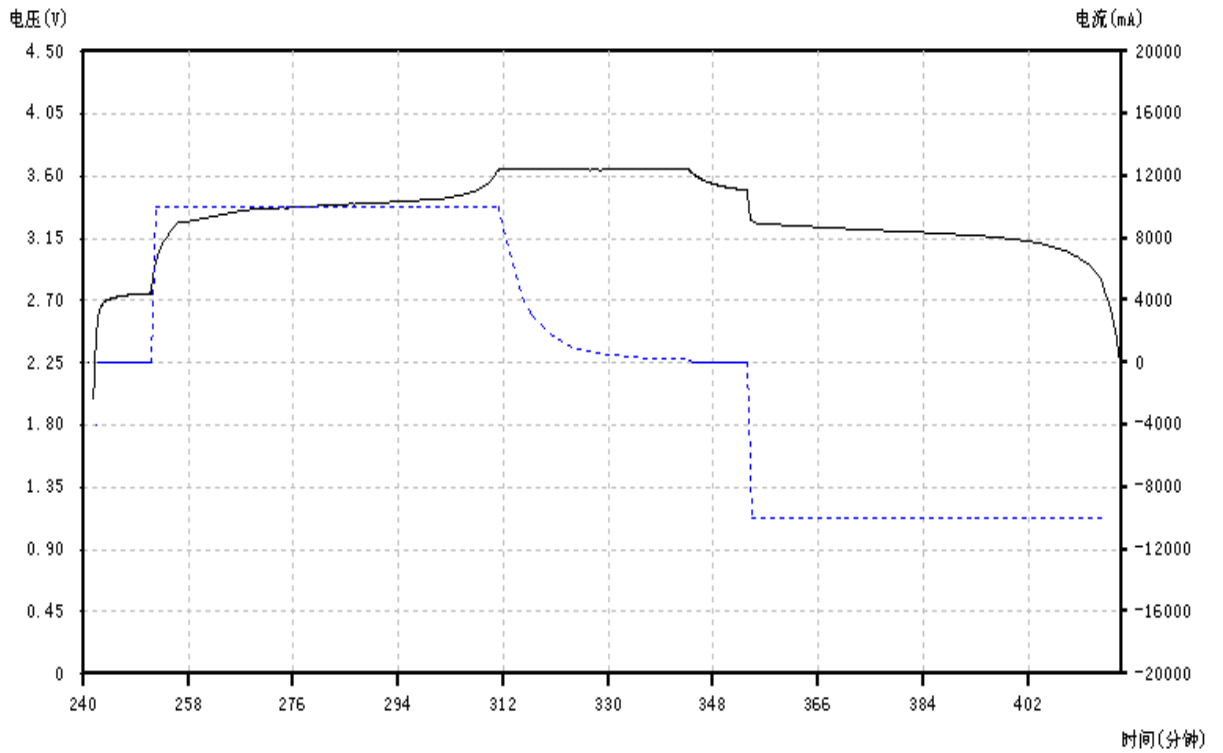
The current was collect lateral

## General Specifications

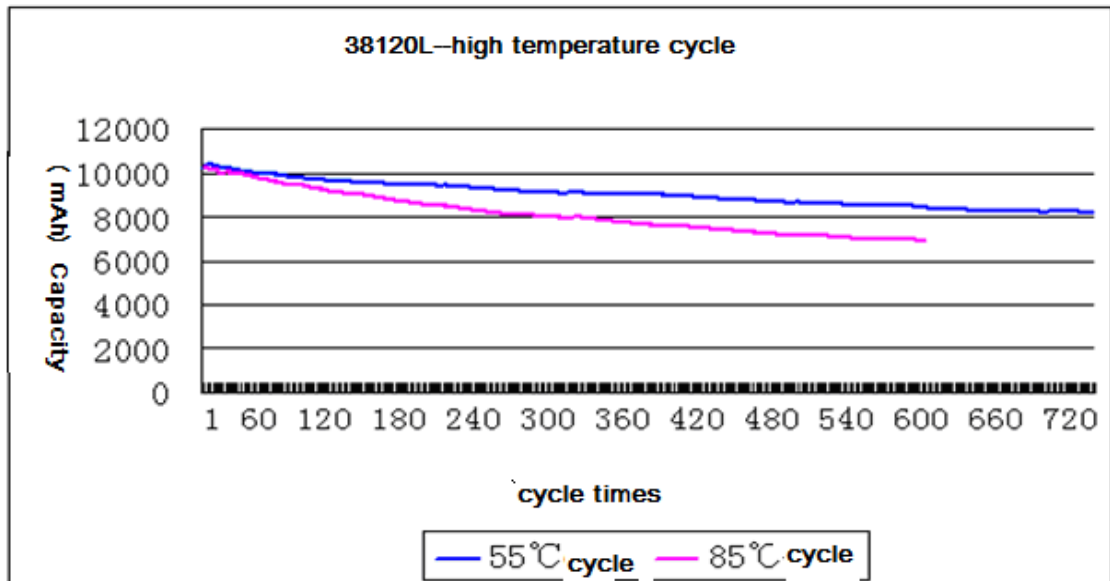
Type	38120 (S/L)	38120P
Nominal capacity	10Ah	8Ah
Charging Voltage	3.65V	
Typical Voltage	3.2V	
Cut-off Discharge Voltage	2.0V	
Charging Method	CC/CV	
Maximum Discharge Current (continuable)	150A	200A
Maximum Charge Current (continuable)	60A	80A
Cycle Life	1500cycles 1C 100%DOD      2000cycles 1C 80%DOD	
Operation Temperature	Charge -10~45°C, Discharge -20~65°C	
Storage Temperature	-20~45°C	
Energy Density	105Wh/Kg	83 Wh/Kg
Power Density	850W/Kg	1200 W/Kg
Initial Internal Impedance	<6mΩ	<4mΩ

# Performance Charts

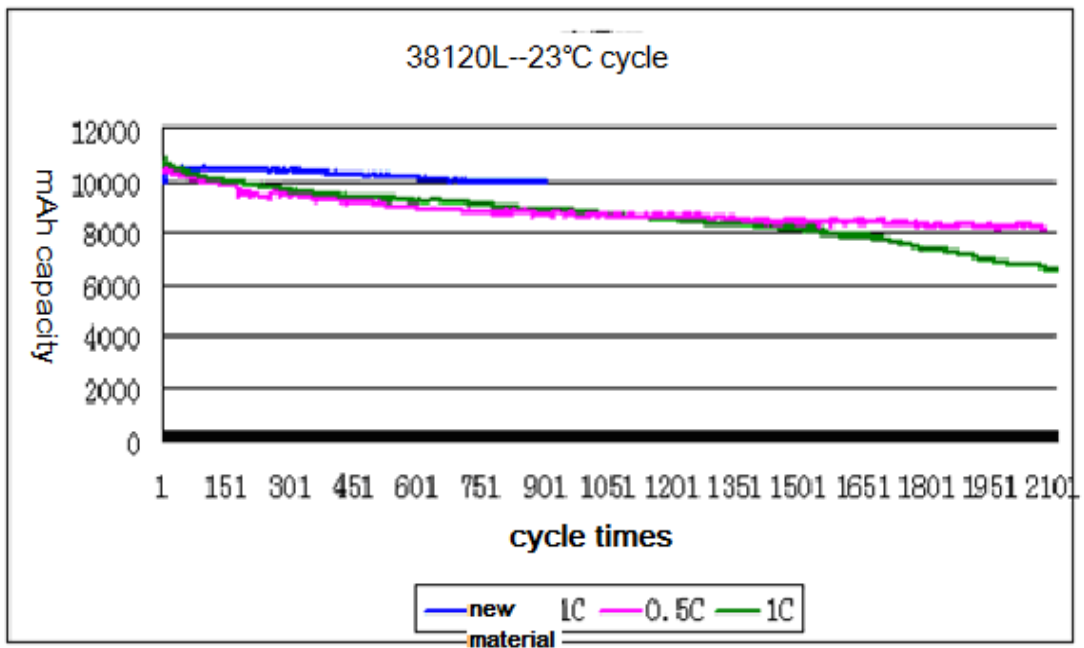
## 38120S 10AH 1C Charge and Discharge Curve



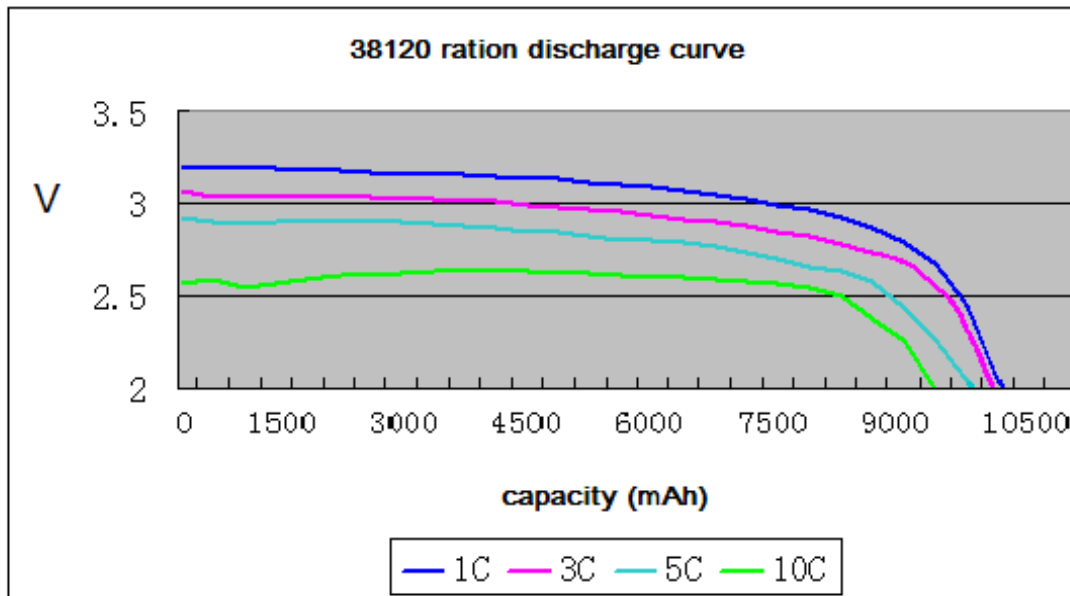
## 38120 cycle life curve (high temperature)



### 38120 cycle life curve (nominal temperature)



### The superior function of ratio discharge (capacity)



## The superior function of ratio discharge (power)

