

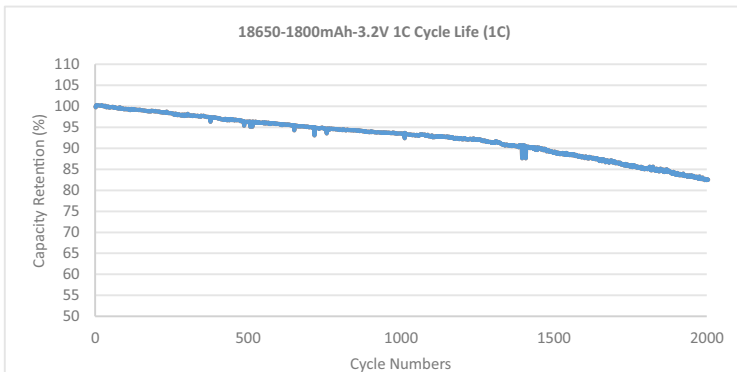
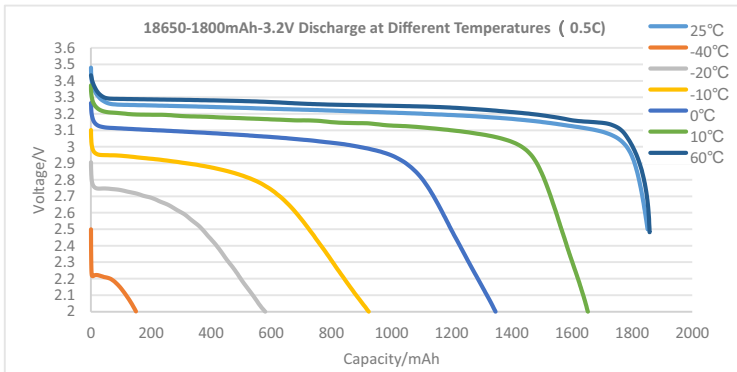
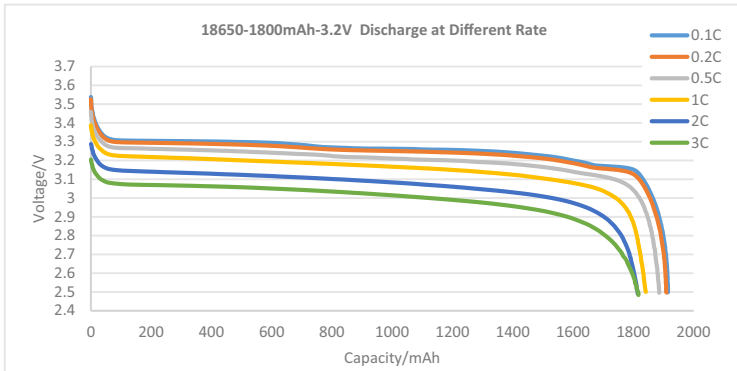
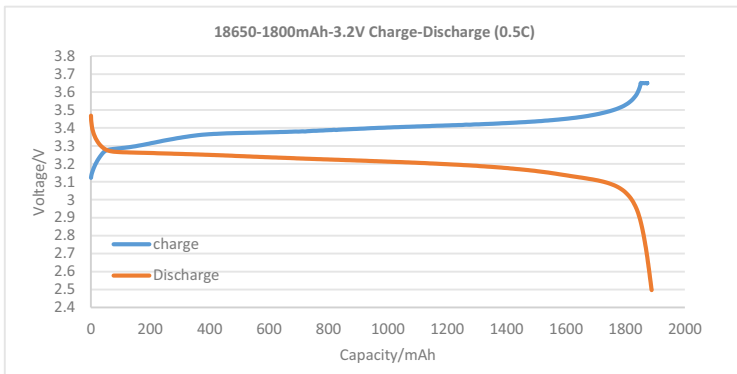
# LIFEPO<sub>4</sub> BATTERY CELL 18650-3.2V-1800mAh



Lithium iron phosphate (LiFePO<sub>4</sub>) battery technology delivers stronger discharge power and higher energy density, together with excellent safety performance and extreme long cycle life.



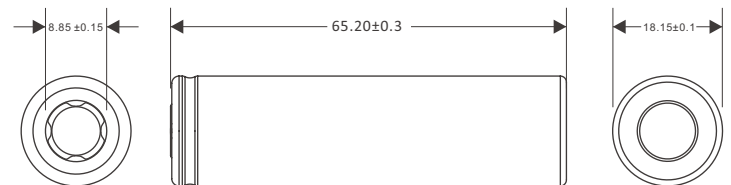
## Characteristics Curves



## Cell Technical Data

Cell Size	18(Dia)x65(H)mm
Cell Weight	41g
Rated Capacity <sub>(1C/25°C)</sub>	1800mAh
Nominal Voltage	3.2V
Cell AC Impedance	≤40mΩ
Cell Energy Content	5.76Wh
Cell Energy Density	140.5Wh/kg
Charge Condition	CC/CV   3.65VDC
Max. Charge Current	1.8A
Discharge Cut-off Voltage	2.5V
Max Con. Discharge Current	5.4A
Pulse Discharge Current	10A (5s)
Cycle Life (100%DOD/1C/>80% remain)	>2000 cycles
Cycle Life (50%DOD/1C/>80% remain)	>7000 cycles
Charge Temperature	0°C-45°C
Discharge Temperature	-20°C-60°C
Storage Temperature	-20°C-45°C

## Cell Dimension (mm)



## Applications

- Solar & Wind Energy Storage
- Electric Vehicles
- Backup Power Supply
- All Electronic Equipments