

LIFEPO₄ BATTERY CELL

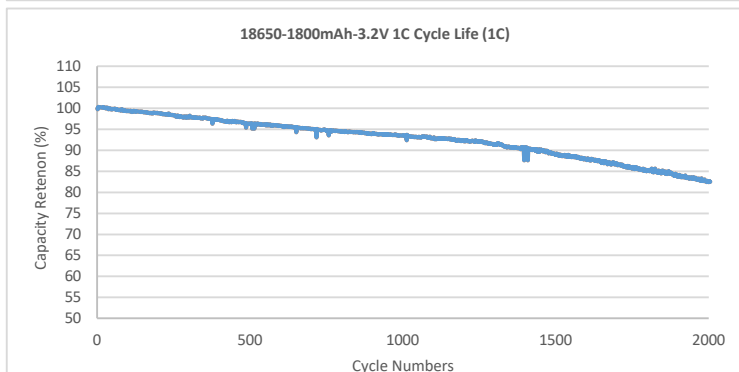
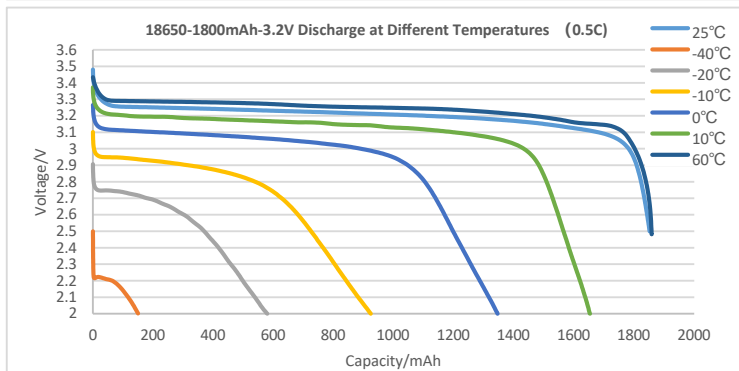
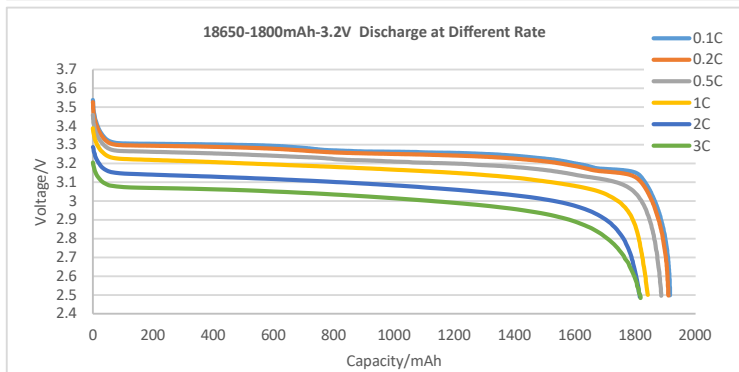
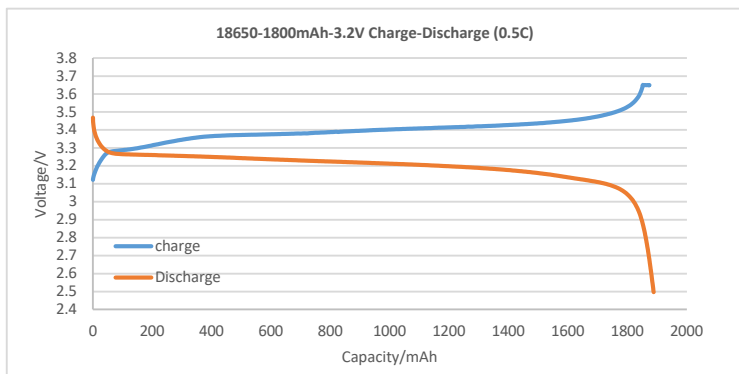
18650-3.2V-1800mAh



Lithium iron phosphate (LiFePO₄) battery technology delivers stronger discharge power and higher energy density, together with excellent safety performance and extreme long cycle life.



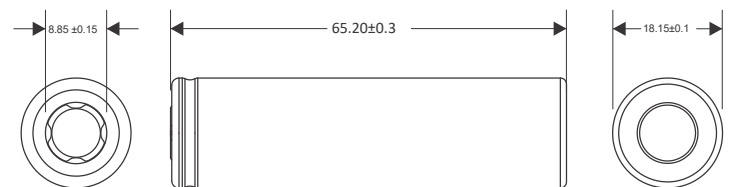
Characteristics Curves



Cell Technical Data

Cell Size	18(Dia)x65(H)mm
Cell Weight	41g
Rated Capacity (1C/25°C)	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