

# LITHIUM IRON PHOSPHATE BATTERY



- + Excellent safety performance and stable quality
- + High consistent of performance
- + High rate of charge and discharge
- + Wide working temperature range
- + Long cycle life
- + Cell is green and environmental

## Specifications

S/N	Model No.	Nominal Voltage (V)	Rated Capacity (mAh)	Resistance (mΩ)	Max Charge Rate	Max Discharge Rate	Standard Charge Temperature	Standard Discharge Temperature
1	IFR26650G1	3.2	3600	≤20	1C	3C	0~60°C	-20~60°C
2	IFR26650G2	3.2	3300	≤20	1C	3C	0~60°C	-20~60°C
3	IFR26650G3	3.2	4000	≤20	1C	3C	0~60°C	-20~60°C
4	IFR26650G2W	3.2	3350	≤20	2C	3C	-20~60°C	-40~60°C
5	IFR26650G2P	3.2	3200	≤11±2	3C	10C	0~60°C	-20~60°C
6	IFR26650P2800	3.2	2800	≤10	5C	15C	-10~60°C	-20~60°C
7	IFR26650E3400	3.2	3400	≤20	1C	3C	0~60°C	-20~60°C

### Description

The lithium iron phosphate battery is a type of rechargeable battery that uses LiFePo<sub>4</sub>(LFP) as its cathode material. The cathode material is one of the most important and defining components of lithium ion batteries. It is also a major determinant of the final performance and cost of a rechargeable battery. BST is manufacturing LiFePo<sub>4</sub> cylindrical cells, equipped with fully automatic cell production line, BST's daily production capacity could reach up to 160,000.

### Features

- Full automatic assembly line production with high consistency of products.
- Long cycle life, stable discharge platform.
- Wide range of working temperature, high temperature up to 60°C, low temperature up to -40°C.
- High energy density, up to 160wh/kg.
- Great safety performance, the LiFePO<sub>4</sub> cell comply with UN38.3, UL1642, IEC62133-2, and BIS16046 etc.
- Environment Friendly, the LiFePO<sub>4</sub> cell comply with RoHS, REACH and EU Directive 2006/66/EC etc.

### Applications

- Energy storage system
- IDC include UPS, Telecom base station, Lead acid replacement
- Solar street lighting, solar tracker
- Emergency lighting, EPS, security light
- LEV include AGV, E-bike, Golf cart, Yacht
- Power tools, Portable equipment