BATTSYS

Wide-Temperature $LiFePO_4$ Battery

-50℃~+80℃ Ultra-Wide Temperature Range

Cell Model: 18650/26650

GUANGZHOU BATTSYS CO., LTD.

Features

-30°C
Charge-Discharge Cycling

3000+
Long Cycle Life

10C
Max. Discharge Rate

Fully Certified

IEC62133	IEC62620	IEC62619	UL1642
CE	RoHS	REACH	UN38.3

Wide-Temp Battery Models

High-Rate Type

18650Fe1600WT

- Adapts to extreme temperature
- Ultra-long cycle life
- Supports high-rate charge/discharge

Specifications

Capacity	1600mAh	Charge Rate	5C
Charge Temp	-30~80°C	Discharge Rate	8C
Discharge Temp	-50~80°C	Cycle Life	≥3000

High-Rate Type

26650Fe3300WT

- Adapts to extreme temperature
- Ultra-long cycle life
- Supports high-rate charge/discharge

Specifications

Capacity	3300mAh	Charge Rate	5C
Charge Temp	-30~80°C	Discharge Rate	10C
Discharge Temp	-50~80°C	Cycle Life	≥3000

High-Capacity Type

26650Fe3700WT

- Adapts to extreme temperature
- High energy density
- Designed for high endurance needs

Specifications

Capacity	3700mAh	Charge Rate	3C
Charge Temp	-30~80°C	Discharge Rate	5C
Discharge Temp	-50~80°C	Cycle Life	≥2500

Suitable for Wide Applications

Reliable in Extreme Environment

Why Choose Battsys Wide-Temp Battery

Item	Battsys Wide-Temp Battery	Standard Li-Ion Battery	Standard Li-Ion Battery + Heating Film
Operating Temp	Charge: -30°C~+80°C Discharge: -50°C~+80°C	Charge: 0°C~+45°C Discharge: -20°C~+60°C	Charge: -20°C~+45°C Discharge: -20°C~+60°C
Low-Temp Discharge	Excellent	Poor	Poor
	Capacity retention≥70% at -40°C discharge	Rapid capacity fade below -20°C	Rapid capacity fade below -20°C
Low-Temp Charge	Excellent	Poor	Good
	Direct charging at -30°C without pre-heating	Cannot be charged below 0°C	Pre-heating above 0°C before charging
Cycle Life	Excellent	Excellent	Good
	≥3000 cycles at RT, Supports charge & discharge cycling at -30°C/60°C	≥2000 cycles at RT	Uneven heating compromises cell consistency, reducing cycle life
System Complexity	Excellent	Excellent	Poor
	Standard BMS	Standard BMS	BMS-integrated heating
Total System Cost	Excellent	Excellent	Poor
	Optimal life cycle cost	Lowest BOM cost	Increases heating film & BMS costs, raising system power draw and failure rates

BATTSYS BATTERY

NEEQ: 837375

2006
Year Since

40000㎡
Production Base

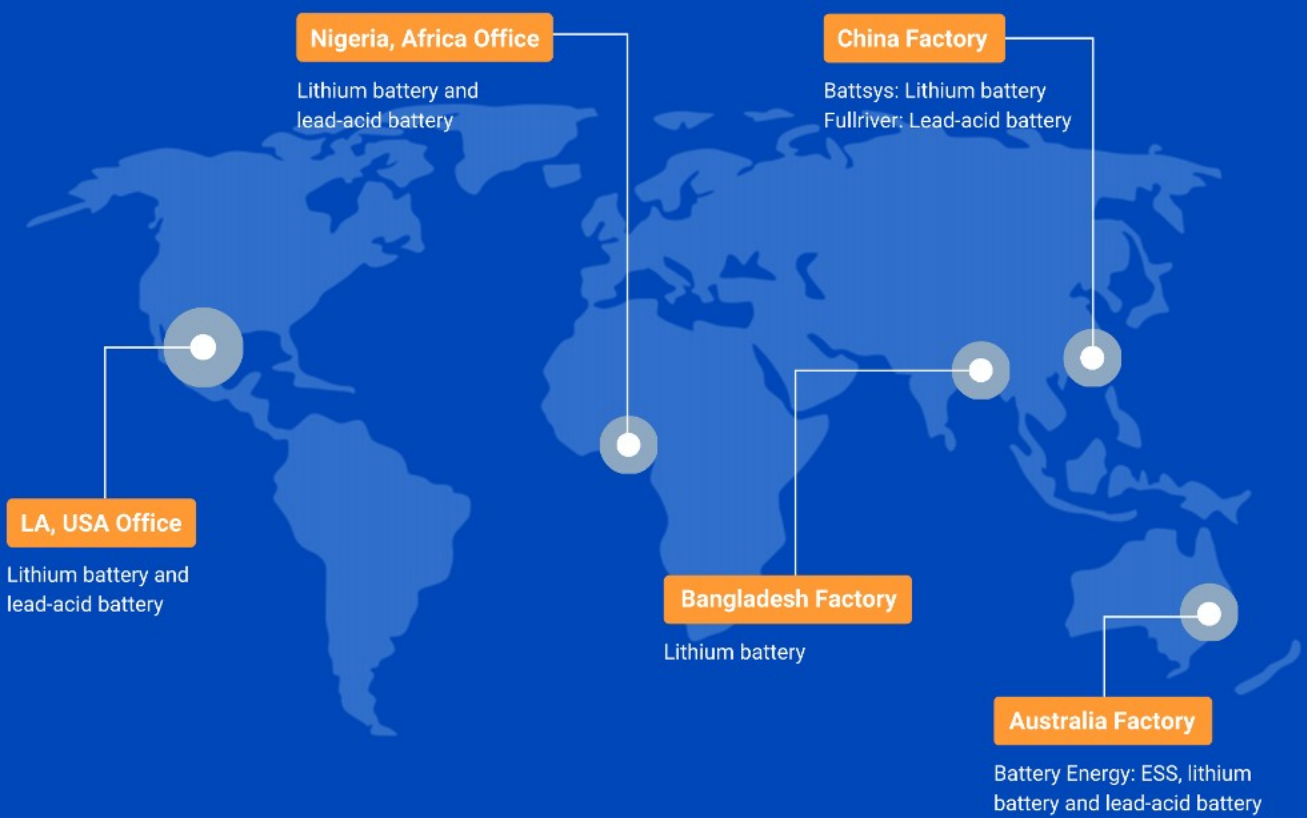
50 Million
Annual Capacity (pcs)

15%+
R&D Input

54+
Exclusive Patents

60%
Export Rate

Global Footprint



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