



SUPER SPACK[®]

Best Solution of Battery

12V LiFePO4 in Lead Acid Footprint Brochure

ABOUT US

Superpack is an advanced lithium-ion battery manufacturer, energy solutions provider with over ten years of expertized in BMS & battery design. Superpack has launched a series of reliable customized battery system solutions for the global market. We are proud to develop a range of diverse products for the market, which have had a meaningful impact on the industry.

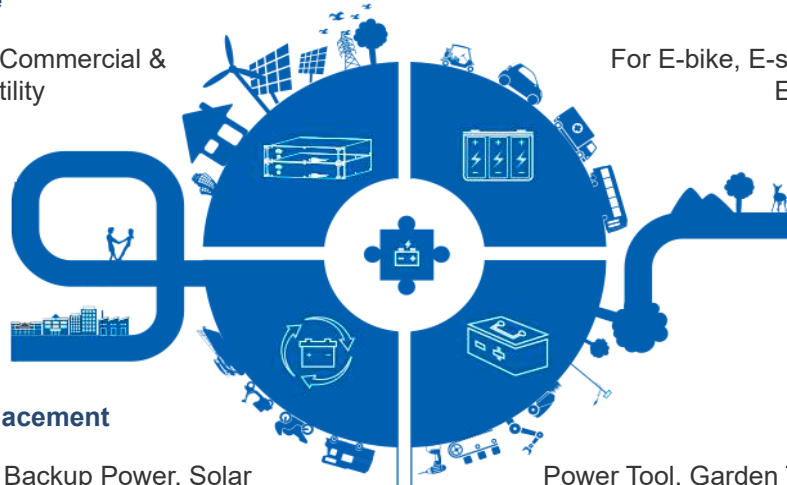
OUR SOLUTIONS

Energy Storage

For Residential, Commercial & Industrial, and Utility

Motive Power

For E-bike, E-scooter, Golf Cart, E-forklift, AGV, etc



Lead-acid Replacement

For Marine, RV, Backup Power, Solar and others where lead-acid is used.

What's More

Power Tool, Garden Tool, Solar Street Light, Medical, Military and others.

OUR ADVANTAGES

➔ Strong R&D Ability

Over the past decade, our R&D team strives to contribute their passion in research of renovation and development to keep upgrading the technology and product to lead the industry. Around 10% of revenue each year is invested in the R&D team to keep building up the foundation.

➔ Advanced Equipments

Our ISO-certified factory equipped with first-class advanced equipment enables us to proliferate high-quality products with the benefits of competitive prices.

➔ Strict Quality Assurance

All products undergo measures to comply with strict quality control standards with inspection procedures at each critical step of our production process.

➔ Customized Solutions Ability

Based on industry benchmarks and technology innovation, Superpack has developed a series of reliable and affordable battery products and solutions for different customized applications.

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Lithium Iron Phosphate Battery

Standard Type Battery

ST Series

RANGE SUMMARY

Superpack LiFePO₄ battery ST series (Standard Type Battery) is an ideal replacement for traditional lead acid batteries, rendering a drop-in solution for lead acid battery replacement. The feature of the battery is that it can be used individually or assembled, in series or parallel connection to expand the system.

Considerable care through the design stage has resulted in our Superpack batteries being used in caravans, motor-homes, and energy storage systems. These batteries are reliable, structurally strong accommodating in durable ABS container and carry an inbuilt Battery Management System. SuperPack ST battery is a reliable power storage, which is available where you go.

FEATURES AND BENEFITS

- LiFePO₄ is one of the most stable and safe lithium battery chemistry types available. The LFP batteries are safe even for the toughest of tracks.
- Operating Temperature Range from -25° ~ 60°C
- Life Cycle ≥ 4000 80% DOD
- Battery Management System (BMS), BMS ensures your battery remains safely within all designated parameters and protects your battery from short circuits, high temperature, under-voltage, over loads & more.
- High Efficiency, Charge & Discharge efficiency @100%
- Durable ABS Casing with high tensile strength, resistance to impacts and chemical erosion, our high-quality ABS container ensures a long lifespan.
- Light Weight 50% - 60% less weight than lead-acid batteries
- Battery connection: maximum 4 blocs in Series; maximum 4 blocs in parallel
- 10 years design life in LiFePO₄ battery
- 3 Years warranty term

CHARGING VOLTAGE AND SETTINGS

- For Constant current constant voltage charging is recommended
- Recommended float charge voltage: 13.8V @ 25°C
- Max. charge current allowable : 50A @ 1C

* If the battery capacity is equally or higher 100Ah, 100A continuous discharge current is recommended.



General Specifications

Model	Voltage (V)	Capacity (Ah)	Max continuous discharge (A)	Dimensions (mm)	Approx. Weight(Kg)	Group size	Batteries in series
SPF12V7.2-ST	12.8	7.2	15	151*65*100	0.9		Max 4S
SPF12V10-ST	12.8	10	15	151*98*101	1.3		Max 4S
SPF12V20-ST	12.8	20	20	181*76*168	2.6		Max 4S
SPF12V22-ST	12.8	22	22	181*76*168	3.1		Max 4S
SPF12V35-ST	12.8	35	35	195*131*171	4.4	U1	Max 4S
SPF12V50-ST	12.8	50	50	198*166*176	6.3		Max 4S
SPF12V75-ST	12.8	75	80	260*168*218	9.6	24	Max 4S
SPF12V100-ST	12.8	100	100	329*172*223	12.6	31	Max 4S
SPF12V100-Slim	12.8	100	100	395*110*286	13.5		Max 4S
SPF12V125-ST	12.8	125	125	329*172*223	15.3	31	Max 4S
SPF12V200-ST	12.8	200	150	520*268*228	25.8	8D	Max 4S
SPF12V260-ST	12.8	260	150	520*268*228	32.0	8D	Max 4S
SPF12V300-ST	12.8	300	150	520*268*228	35.7	8D	Max 4S

APPLICATIONS

- AGV
- Marine
- Golf Car
- Power Utility
- Floor Scrubber
- Medical Cart
- Recreational Vehicle
- Outdoor Applications
- Telecommunications
- Renewable Energy system



COMPLIED STANDARDS

- IEC62133
- UL1642
- CE (battery)
- UN38.3 (battery)



Lithium Iron Phosphate Battery

Low Temperature Battery

LT Series

RANGE SUMMARY

Superpack LiFePO4 battery LT series (Low Temperature Battery) is specifically designed for cold temperature charging. It can be charged at temperatures as low as -20°C (-4°F). Our product features proprietary technology that draws power from the charger itself with no additional components. The Low-temperature Series battery has the same size and performance as the other superpack batteries while uniting other functions to ensure charging in colder temperatures.

The SPF12V100-LT is an ideal choice used in caravans, motor-homes and energy storage systems. These batteries are reliable and structurally strong accommodated in durable ABS container and carry an inbuilt Battery Management System, providing a long-lasting service. With Superpack battery your troubles with electric power will become a thing of past.

FEATURES AND BENEFITS

- LiFePO4 is one of the most stable and safe lithium battery chemistry types available. The LFP batteries are safe even for the toughest of tracks.
- Operating Temperature Range from -25°C ~ 60°C
- Life Cycle ≥ 4000 80% DOD
- Battery Management System (BMS), BMS ensures your battery remains safely within all designated parameters and protects your battery from short circuits, high temperature, under-voltage, over loads & more.
- High Efficiency, Charge & Discharge efficiency @100%
- Durable ABS Casing with high tensile strength, resistance to impacts and chemical erosion, our high-quality ABS container ensures a long lifespan.
- Light Weight 50% - 60% less weight than lead-acid batteries
- Battery connection: maximum 4 blocs in Series; maximum 4 blocs in parallel
- 10 years design life in LiFePO4 battery
- 3 Years warranty term

CHARGING VOLTAGE AND SETTINGS

- For Constant current constant voltage charging is recommended
- Recommended float charge voltage: 13.8V @ 25°C
- Max. charge current allowable : 50A @ 1C

* If the battery capacity is equally or higher 100Ah, 100A continuous discharge current is recommended.



General Specifications

Model	Voltage (V)	Capacity (Ah)	Max continuous discharge (A)	Dimensions (mm)	Approx. Weight(Kg)	Group size	Batteries in series
SPF12V100-LT	12.8	100	100	329*172*223	12.8	31	Max 4S
SPF12V125-LT	12.8	125	125	329*172*223	15.5	27	Max 4S
SPF12V200-LT	12.8	200	150	520*268*228	26	8D	Max 4S
SPF12V300-LT	12.8	300	150	520*268*228	35.9	8D	Max 4S



APPLICATIONS

- AGV
- Marine
- Golf Car
- Power Utility
- Floor Scrubber
- Medical Cart
- Recreational Vehicle
- Outdoor Applications
- Telecommunications
- Renewable Energy system



COMPLIED STANDARDS

- IEC62133
- UL1642
- CE (battery)
- UN38.3 (battery)



Lithium Iron Phosphate Battery

Bluetooth Battery

BL Series

RANGE SUMMARY

Superpack LiFePO4 battery BL series (Bluetooth Battery) is a smarted design LiFePO4 battery. Our Bluetooth battery has a wireless Bluetooth transmitter function that communicates with the Battery Management System (BMS) via our free software called Smart Connect. It is a simple software that can download from a smart phone or tablet, enabling the user to check the battery capacity or State of Charge (SoC), voltage, temperature, charge, or discharge on an easy way to use the interface.

The SPF12V100-BL is an ideal choice used in caravans, motor-homes, and energy storage systems. These batteries are reliable and structurally strong accommodated in durable ABS container and carry an inbuilt Battery Management System, providing a long-lasting service. With Superpack BL batteries on hand will ensure your confidence in where you go.

FEATURES AND BENEFITS

- LiFePO4 is one of the most stable and safe lithium battery chemistry types available. The LFP batteries are safe even for the toughest of tracks.
- Operating Temperature Range from -25° ~ 60 °C
- Life Cycle ≥ 4000 80% DOD
- Battery Management System (BMS), BMS ensures your battery remains safely within all designated parameters and protects your battery from short circuits, high temperature, under-voltage, over loads & more.
- High Efficiency, Charge & Discharge efficiency @100%
- Durable ABS Casing with high tensile strength, resistance to impacts and chemical erosion, our high-quality ABS container ensures a long lifespan.
- Light Weight 50% - 60% less weight than lead-acid batteries
- Battery connection: maximum 4 blocs in Series; maximum 4 blocs in parallel
- 10 years design life in LiFePO4 battery
- 3 Years warranty term

CHARGING VOLTAGE AND SETTINGS

- For Constant current constant voltage charging is recommended
- Recommended float charge voltage: 13.8V @ 25 °C
- Max. charge current allowable : 50A @ 1C

* For the battery whose capacity is equal to or higher 100Ah, 100A continuous discharge current is recommended.



General Specifications

Model	Voltage (V)	Capacity (Ah)	Max continuous discharge (A)	Dimensions (mm)	Approx. Weight(Kg)	Group size	Batteries in series
SPF12V100-BL	12.8	100	100	329*172*223	12.8	31	Max 4S
SPF12V125-BL	12.8	125	125	329*172*223	15.5	27	Max 4S
SPF12V200-BL	12.8	200	150	520*268*228	25.8	8D	Max 4S
SPF12V300-BL	12.8	300	150	520*268*228	35.7	8D	Max 4S



Mobile APP SmartBat



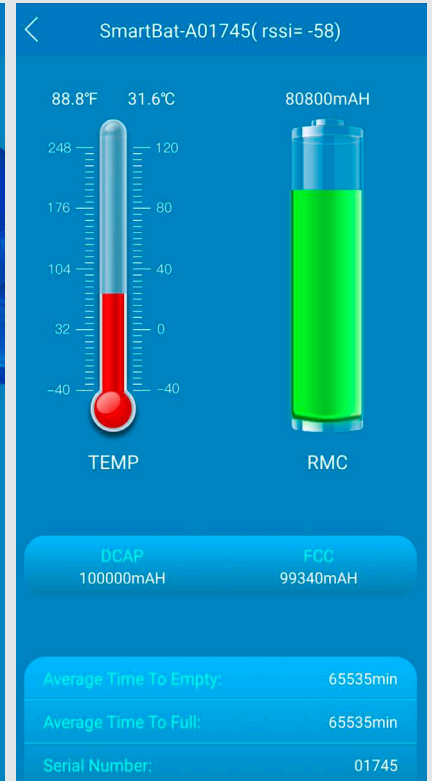
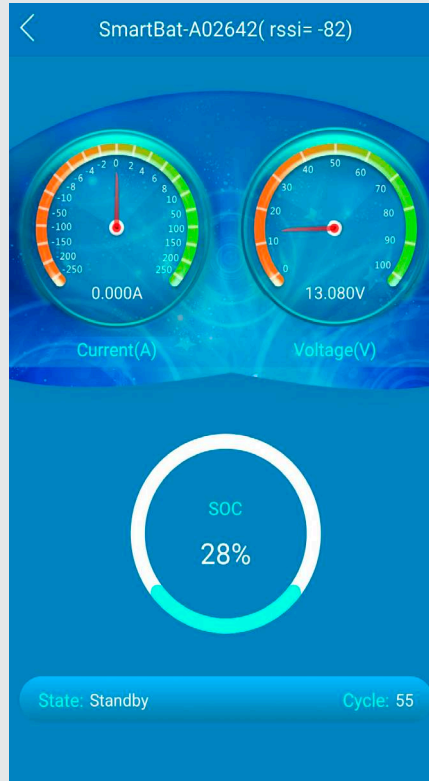
- ↑ Mobile phone (tablet) hardware needs to support Bluetooth4.0 BLE (Bluetooth super low energy)
- ↑ Measuring distance, up to 15m
- ↑ Applicable for 1-4S Li-Ion/LiFePO4 battery pack
- ↑ Selective gauge IC of both whole voltage and unit voltage
- ↑ Real-time remotely monitor battery status of both static and dynamic

APPLICATIONS

- AGV
- Marine
- Golf Car
- Power Utility
- Floor Scrubber
- Medical Cart
- Recreational Vehicle
- Outdoor Applications
- Telecommunications
- Renewable Energy system

COMPLIED STANDARDS

- IEC62133
- UL1642
- CE (battery)
- UN38.3 (battery)



Lithium Iron Phosphate Battery

Low Temperature & Bluetooth Battery

LB Series

RANGE SUMMARY

Superpack LiFePO4 battery LB series (Low Temperature & Bluetooth Battery) is a smarted LiFePO4 battery. The LB series has a wireless Bluetooth transmitter that communicates with the Battery Management System (BMS) via our free software called Smart Connect. It is a simple software that can download from smat phone or tablet, enabling the user to check the battery capacity or State of Charge (SoC), voltage temperature, charge, or discharge current. LB series batteries are specially designed to safely charge when temperatures drop down as low as -20°C using a standard charger.

The SPF12V100-LB is an ideal choice used for caravans, motor-homes, and energy storage systems. There batteries are reliable, structurally strong, and carry an inbuilt Battery Management System, providing a long-lasting service.

FEATURES AND BENEFITS

- LiFePO4 is one of the most stable and safe lithium battery chemistry types available. The LFP batteries are safe even for the toughest of tracks.
- Operating Temperature Range from -25° ~ 60 °C
- Life Cycle ≥ 4000 80% DOD
- Battery Management System (BMS), BMS ensures your battery remains safely within all designated parameters and protects your battery from short circuits, high temperature, under-voltage, over loads & more.
- High Efficiency, Charge & Discharge efficiency @100%
- Durable ABS Casing with high tensile strength, resistance to impacts and chemical erosion, our high-quality ABS container ensures a long lifespan.
- Light Weight 50% - 60% less weight than lead-acid batteries
- Battery connection: maximum 4 blocs in Series; maximum 4 blocs in parallel
- 10 years design life in LiFePO4 battery
- 3 Years warranty term

CHARGING VOLTAGE AND SETTINGS

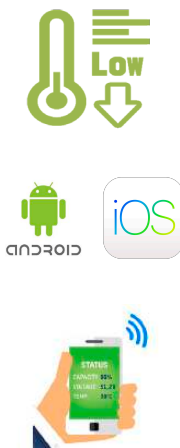
- For Constant current constant voltage charging is recommended
- Recommended float charge voltage: 13.8V @ 25 °C
- Max. charge current allowable : 50A @ 1C

* If the battery capacity is equally or higher 100Ah, 100A continuous discharge current is recommended.



General Specifications

Model	Voltage (V)	Capacity (Ah)	Max continuous discharge (A)	Dimensions (mm)	Approx. Weight(Kg)	Group size	Batteries in series
SPF12V100-LB	12.8	100	100	329*172*223	13	31	Max 4S
SPF12V125-LB	12.8	125	125	329*172*223	15.7	27	Max 4S
SPF12V200-LB	12.8	200	150	520*268*228	25.8	8D	Max 4S
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- ↑ Mobile phone (tablet) hardware needs to support Bluetooth 4.0 BLE (Bluetooth super low energy)
- ↑ Measuring distance, up to 15m
- ↑ Selective gauge IC of both whole voltage and unit voltage
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- AGV
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- Power Utility
- Floor Scrubber
- Medical Cart
- Recreational Vehicle
- Outdoor Applications
- Telecommunications
- Renewable Energy system


COMPLIED STANDARDS


- IEC62133
- UL1642
- CE (battery)
- UN38.3 (battery)




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