



China Leading Lithium ion Battery Solution Provider For Industrial Vehicles



Lithium
Storage



Who We Are

Lithium Storage is a leading lithium-ion battery solution provider for industrial vehicles in China. With a track record of supplying over 100,000 units of lithium batteries to global brands of material handling equipment manufacturers such as KION, Noblelift, Hangcha, Linde, XCMG, Toyota and more, we are dedicated to pushing the boundaries of innovation and reliability in the industry.

The current production capacity of Suzhou factory is 3GWh and 10GWh is in construction, and there are approximately 400 employees, including 80 R&D engineers. Our factory has successively passed

ISO9001, IATF16949, ISO14001, and ISO45001, and products have received international certifications.

Our company has significant technical advantages in forklifts powered by lithium batteries as well as electrification of industry vehicles, depending on our own key component lithium ion cell technology and manufacture, our own BMS technology including active and positive balance, and our technical capability in product development and project experience of working with forklift manufacturers.

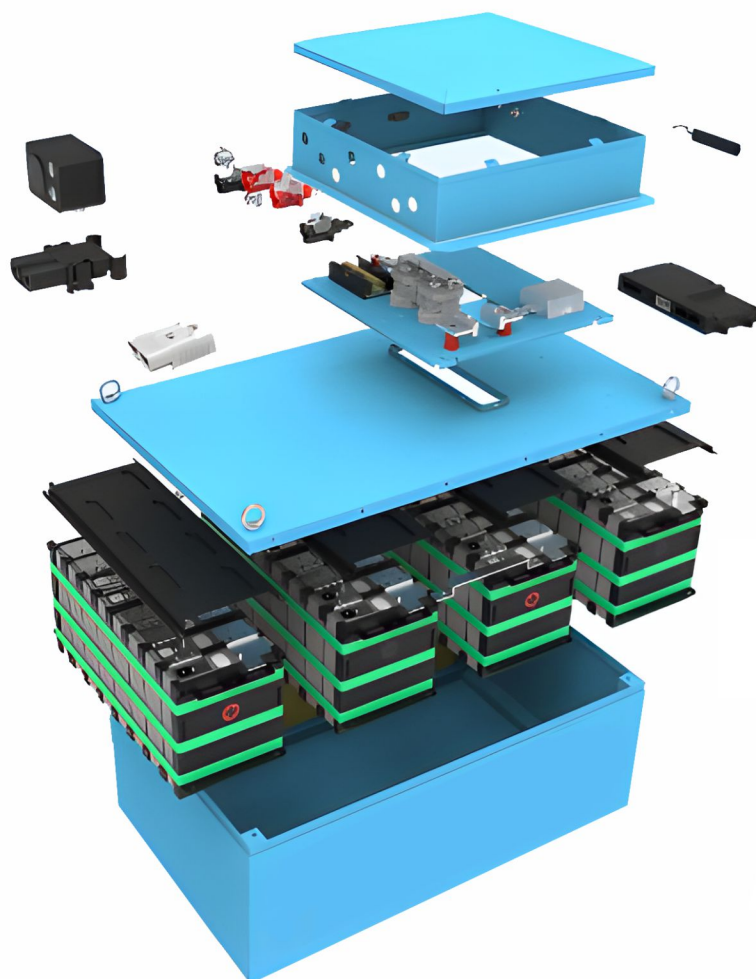


Cooperative Partner





Smart FLT Forklift Battery Pack



Output Connector Option



Anderson



Din



International
Charge Gun



Customized

Six Advantages



High Compatibility

Compatible with 90% of brands forklifts



Fast Delivery

Standardized design, double-layer shock absorption, convenient delivery



Economical

The outer box can be produced locally by customers to save transportation cost



Suitable for Rental

Different models of trucks can use the same battery box, suitable for rental



Low Replacement Cost

When the battery life ends, the replaced battery box is purchased, and the outer box can be used with a new replaced one, saving 20% of the cost



Low Power Consumption

With self-reset switch, not afraid of long-term storage of lithium battery



25.6V Standard Pack

Item	Standard Pack I	
Voltage	25.6V	
Capacity	206Ah	228Ah
Weight	60kg	62kg
Dimension (L*W*H)	550mm*195mm*520mm	
Charge Connector	REMA DIN160A Female	
Discharge Connector	REMA DIN160A Female (replaceable)	
IP Grade	IP54	
Matched Charger with CAN	24V 100A	

25.6V 206~228Ah

**Lithium Batteries for
Pallet Jack and Stacker**





51.2V Standard Pack

Item	Standard Pack I				Standard Pack II				Standard Pack III		Standard Pack IV	
Voltage	51.2V				51.2V				51.2V		51.2V	
Capacity	206 Ah	228 Ah	280 Ah	304 Ah	280 Ah	304 Ah	412 Ah	456 Ah	412Ah	456Ah	560Ah	608Ah
Weight	115 kg	117 kg	135 kg	137 kg	135 kg	137 kg	190 kg	195 kg	190kg	195kg	270kg	275kg
Dimension (L*W*H)	700*250*565mm				830*510*410mm				1034*250*644mm/1006*430*406mm		830*510*515mm/830*474*600mm	
Charge Connector	REMA DIN320A Female											
Discharge Connector	REMA DIN320A Female (replaceable)											
IP Grade	IP54											
Matched Charger with CAN	48V 150A or 48V200A											

51.2V 206~608Ah

Lithium Batteries for Counterbalance Forklifts



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80V Standard Pack

Item	Standard Pack I			Standard Pack II	
Voltage	80V			83.2V	
Capacity	304Ah	412Ah	456Ah	560Ah	608Ah
Weight	210kg	260kg	265kg	400kg	405kg
Dimension (L*W*H)	990*630*411mm			990*630*631mm	
Charge Connector	REMA DIN320A Female				
Discharge Connector	REMA DIN320A Female (replaceable)				
IP Grade	IP54				
Matched Charger with CAN	80V150A /80V200A				

80V 304~608Ah

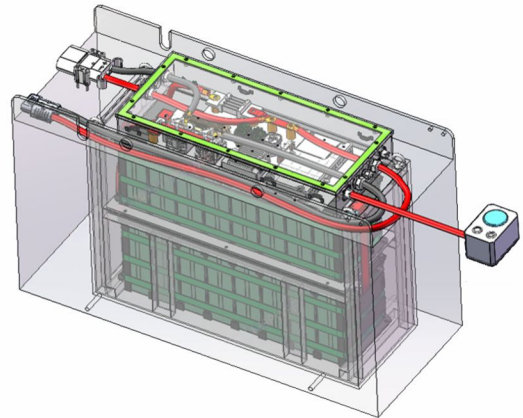
**Lithium Batteries for
Counterbalance Forklifts**





Custom Battery Pack Option

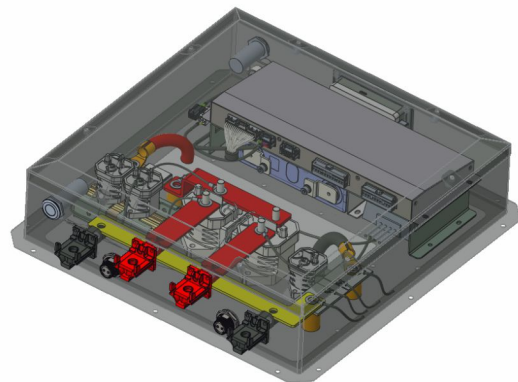
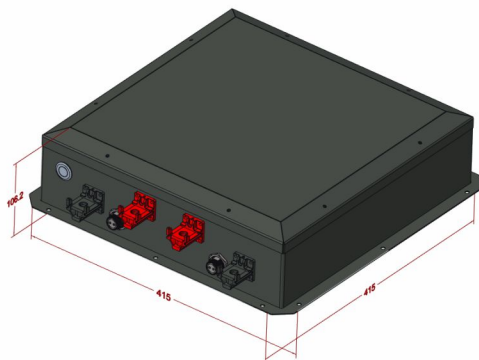
Forklifts come in all shapes and sizes. Lithium Storage provides forklifts lithium battery customization to adapt different brands and models' demands in capacity, shape, weight, control strategy and communication protocol for matching with host vehicles.



SKD Component Option

Standard Electric Control Box

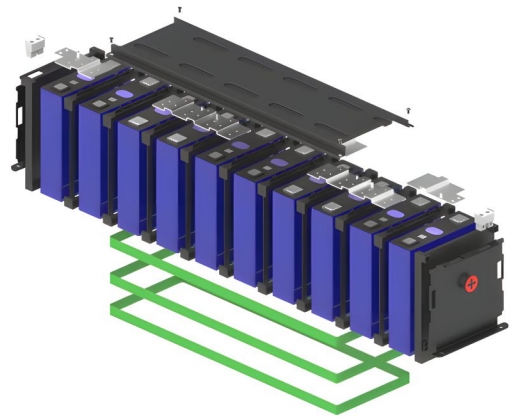
- Compatible for 48V and 80V battery pack
- Feasible independent replacement



Item	Parameter
Voltage	48V-83.2V
Capacity	No limit
Charge connector	REMA 320A Female
Discharge Connector	REMA 320A Female/ Anderson SB350A / Charge Gun/Customized
Dimension (L*W*H)	415mm*415mm*108mm

Battery Module

Fixing cells via battery brackets and strips is the frame structure of our battery modules. The competitive advantage of this structure is without structure glue between cells and it makes sustainability in the reuse and recycling process. It is supported to supply modules with two kinds of connection modes between cells: by bolt and by welding.



Dimension		Module Parameter			
Module Option	LFP206Ah-1P8S	LFP228Ah-1P8S	LFP280Ah-1P8S	LFP304Ah-1P8S	
	LFP206Ah-2P4S	LFP228Ah-2P4S	LFP280Ah-2P4S	LFP304Ah-2P4S	
Dimension L	487.12mm			631.2	
Dimension W	182mm			182.4	
Dimension H	225.6mm			225.8	
Module cooling method	Natural cooling			Natural cooling	
Module heating method	NO			NO	
Operating temperature	Charging temperature: 0~60℃			Charging temperature: 0~60℃	
	Discharge temperature: -20~60℃			Discharge temperature: -20~60℃	

Internal Connection Wiring

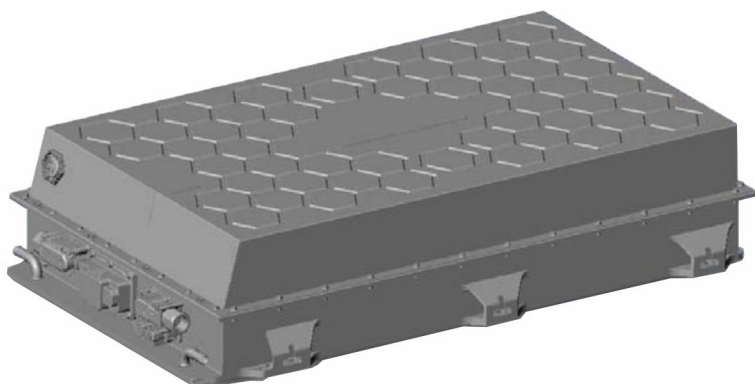


External Connection Parts

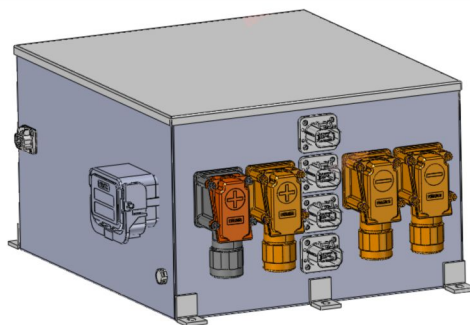




FLEXI PACK for High Voltage Battery System



Flexi Pack



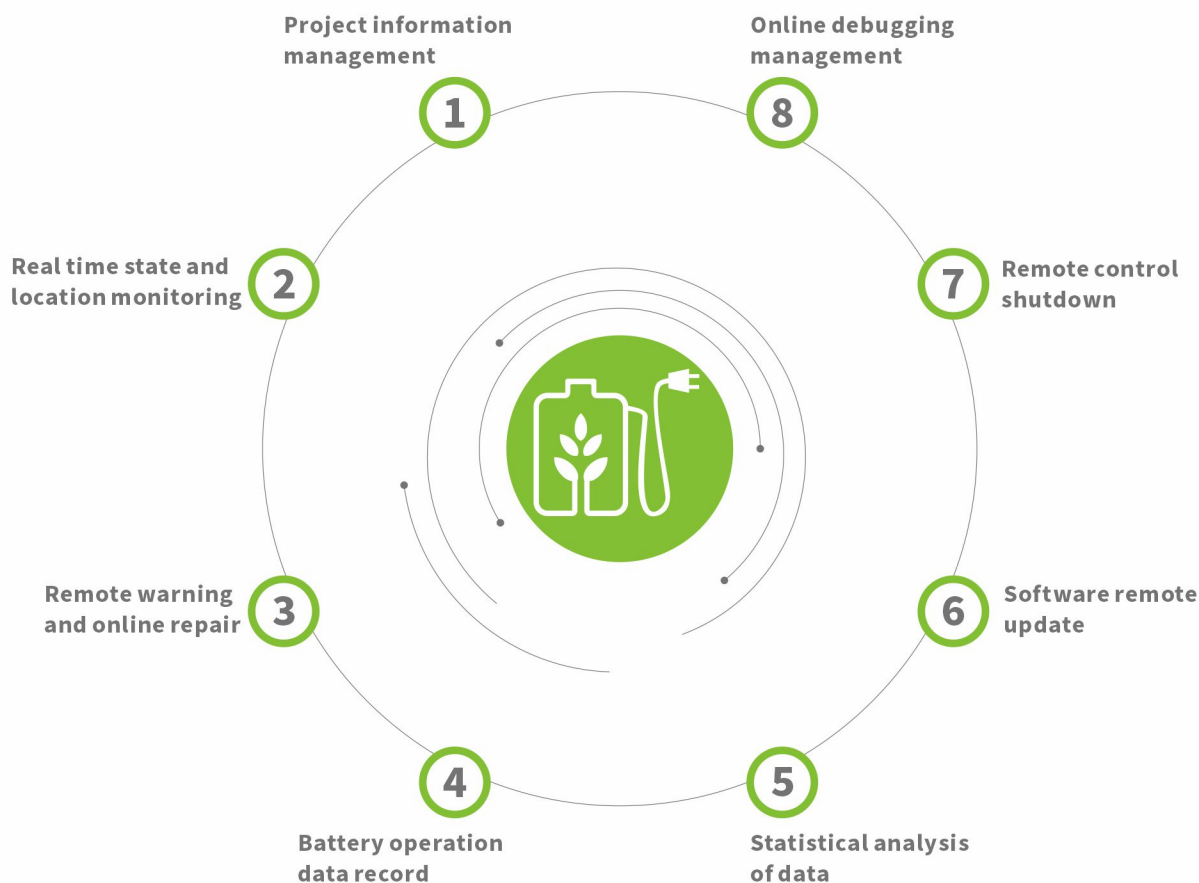
PDU

Item	Flexi Pack C			Flexi Pack G		
Cell	53173200 -206Ah	54173204 -228Ah	71173204 -304Ah	53173200 -206Ah	54173204 -228Ah	71173204 -304Ah
Rated Voltage(V)	154.56	154.56	115.92	125.58	125.58	96.6
Rated Capacity(Ah)	206	228	304	206	228	304
Rated Energy(kWh)	31.839	35.239	35.239	25.869	28.632	29.366
Weight(Kg)	226±3%	233±3%	230±3%	185±3%	191±3%	189±3%
Group configuration	1P48S		1P36S	1P39S		1P30S
Max Continuous charge/discharge rate	1C			1C		
Peak discharge rate	2C/30S			2C/30S		
Thermal Management	Liquid Cooling/electric heating			Liquid Cooling/electric heating		
Fire Control	Fire extinguisher Optional			Fire extinguisher Optional		
IP Degree	IP68			IP68		
Dimension/mm	(1068.21±10)*(630±10)*(241±5)			(925.6±10)*(630±10)*(241±10)		

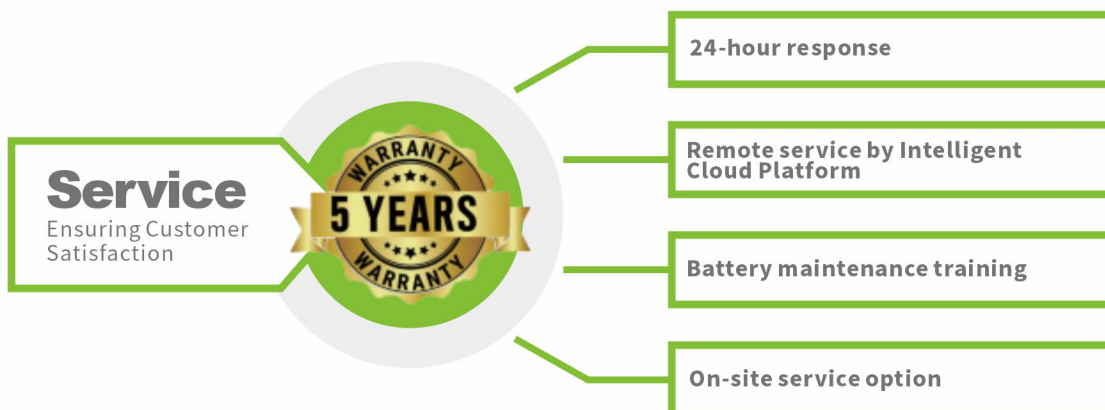


Intelligent Cloud Platform

LS intelligent cloud platform is developed for industry vehicles manufacturers, rent companies and battery users etc, which can achieve monitoring remotely, service conveniently and management intelligently.

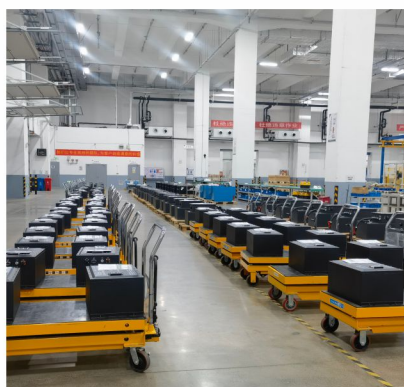


After Sales Service

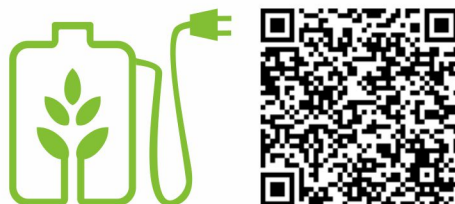




Production Glance



Our Suzhou factory has certificated **ISO9001**, **IATF16949**, **ISO14001**, and **ISO45001**, and also has passed **supplier audits by material handling equipment manufacturers** such as KION and Noblelift, etc.



We are developing new distributors and dealers
for batteries of Lithium Storage globally!



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