



ALLSAI®

Innovating Power



LITHIUM BATTERY

Baterías

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Battery Pack for Energy Storage

Technical Advantages

- No memory effect, environmental friendly
- Resistance humid and warm
- Resistance to temperature cycle
- Maintenance free
- Protection functions of over - charge, over - discharge, over-current, high-low temperature, equalization function, communication function and storage function
- Electromagnetic compatibility

Battery Pack for Energy Storage

Application Area

- Telecommunication base station, photovoltaic energy storage, household energy storage, etc.
- Customization, systematic solution





Typical Products

Tested and Certified

- Safety: CE marking, IEC62619
- Performance: IEC62620, TLC
- Anti-seismic: Earthquake intensity 9
- Transport: UN38.3

Typical Products

Application

- BTS (Base transceiver stations)
- BSC (Base stations controllers)
- Small cells for LTE (long term evolution)
- ANT (Access node terminal)
- Central offices



Model	Nominal Voltage (V)	Rated Capacity (Ah)	External Dimension			Weight (Kg)	Max. Charge current(A)	Max. Discharge current(A)	Communication
			Width(mm)	Depth(mm)	Height(mm)				
LI4810	51,2	10	436	290	45	8	10	10	Thorough RS485/Modbus
LI4820	51,2	20	436	290	89	15	20	20	
LI4830	51,2	30	436	350	133	20	30	30	
LI4840	51,2	40	436	350	133	24	40	40	
LI4850	51,2	50	436	350	133	28	50	50	
LI4875	51,2	75	436	350	178	40	75	75	
LI4880	51,2	80	436	350	222	42	80	80	
LI48100	51,2	100	436	350	222	48	100	100	

Lithium-ion Cell Series

- High safety
- Well adaptability at high-low temperature
- Good discharge ability at high discharge rate
- Long cycle life



Lithium-ion Cell Series

- ICP series: more than 1500 cycles;
- IHP series: more than 3000 cycles;
- IFP series; more than 4000 cycles.



Power Type Series

Model	Nominal Voltage (V)	Rated Capacity (Ah)	External Dimension (mm)	Weight (g)	Internal Resistance (m Ω)	Max Discharge Rate
ICP7045135	3,7	4,0	7.5*46*136	<95	<4.0	3C
ICP8045135	3,7	5,0	8.8*46*136	<110	<3.0	3C
IFP8045135	3,2	3,5	8.5*45*136	<92	<6.0	3C
IFP09133200	3,2	20	9.6*134*203	<510	<3.0	3C
IHP07133200	3,65	20	7.2*134*203	<390	<3.0	3C
IFP13133200	3,2	30	13.2*134*203	<700	<3.0	3C
IHP09200275	3,65	50	9*203*275	<900	<2.0	3C


 Lithium-ion Cell Series for Energy Storage Application

Normal Temperature Series

Model	Nominal Voltage (V)	Rated Capacity (Ah)	External Dimension (mm)	Weight (g)	Internal Resistance (mΩ)	Max Discharge Current (A)
IFP09100150-3	3,2	10	9*102*153	<250	<6.0	10
IFP08200275-3	3,2	35	8*203*275	<910	<3.0	35
IFP09200275-3	3,2	40	9*203*275	<1050	<2.5	40
IFP11200275-3	3,2	50	11*203*275	<1150	<3.0	50


 High Temperature and Long Cycle Life Series

Model	Nominal Voltage (V)	Rated Capacity (Ah)	External Dimension (mm)	Weight (g)	Internal Resistance (mΩ)	25°C Cycle Life (80%DOD)	60°C Cycle Life (80%DOD)
IFP09100150-1	3.2	10	9.5*102*153	<255	<6.0	>6000	>2000
IFP11200275-1	3.2	50	11*203*275	<1150	<2.0	>6000	>2000



48V/400Ah LiFeP04 Battery System for Household Energy Storage

48V/400Ah LiFeP04 Battery system is an energy storage system with advanced functions and high reliability, which combines the technologies of matching of lithium-ion cells, charge-discharge management, equalization, communication bus and so on.

Main Technical Parameters

Nominal Voltage:	51.2V
Rated Capacity:	8x50Ah
Max. External Dimension:	600mmx600mmx1300mm(cabinet); 445mmx454mmx114mm(Module);
Weight	8x30Kg (Module)+50Kg(Cabinet);
Output Voltage Range:	40V-58V
Continuous Output Current:	200A
Operating Temperature Range:	-20°C-60°C
Relative Humidity:	5%-95%
Cycle Life:	>3000times

System Characters

- Flexible allocation from 50 Ah-400Ah; support for parallel;
- The max output power of system:10KW;
- Automatic power off during too-low voltage;
- Good electromagnetic compatibility;
- Good consistency; ow self-discharge; long service life;
- Maintenance-free.



LI480V/50kWh LiFeP04 Battery System

LI480V/50kWh LiFeP04 battery system is a backup power for photovoltaic charge station of electric vehicle with advanced functions and high reliability, which combines the technologies of matching of lithium-ion cells, charge-discharge management, equalization, communication bus, display and so on. The system will supply energy, when electronic devices start on the loads of devices are heavy.



Main Technical Parameters

Nominal Voltage:	425.6V
Rated Capacity:	120Ah
Max. External Dimension:	600mmx600mmx1800mm
Weight	700Kg
Output Voltage Range:	332.5V~478.8V
Continuous Output Current:	110A
Max. Output Current:	200A
Operating Temperature Range:	-20°C-60°C
Altitude:	<4500m
Relative Humidity:	5%-95%
Cycle Life:	>3000times

System Characters

- The max. output power of system:50 Kw;
- The CAN bus can monitor the running conditions of system and control the output of system remotely;
- High safety; balance of charge and discharge;
- Good consistency; low self-discharge; long service life;
- Maintenance-free.



LA INNOVACIÓN ES PARTE
DE NUESTRA ESENCIA

192V/10Ah LiFeP04 Battery System

192V/10Ah LiFeP04 battery system is a UPS with advanced functions and high reliability, which combines the technologies of matching of lithium-ion cells, charge-discharge management, equalization bus and so on.



Main Technical Parameters

Nominal Voltage:	192V
Rated Capacity:	10Ah
Max. External Dimension:	480mmx550mmx144mm
Weight	30Kg
Output Voltage Range:	150V~219V
Continuous Output Current:	10A
Max. Output Current:	30A
Operating Temperature Range:	-10°C-55°C
Relative Humidity:	0-95%
Cycle Life:	>3000times

System Characters

- The CAN bus can monitor the running conditions of system and control the output of system remotely;
- High safety; balance of charge and discharge;
- Good consistency; low self-discharge; long service life;
- Maintenance-free.

ACERCA DE ALLSAI

ALLSAI es una compañía con más de 15 años de experiencia en el mercado latinoamericano destacándose por innovar continuamente en las diferentes soluciones de respaldo de energía.

Actualmente contamos con un amplio portafolio de soluciones que agrega valor al negocio de nuestros clientes, logrando posicionar nuestra marca en toda la región con un sello de calidad y respaldo que hace la diferencia.

