



## LEOCH LITHIUM GREEN TRANSPORTATION SOLUTIONS



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## Large scale automated production line



## Company Profile

Founded in 1999, LEOCH BATTERY (stock code: 00842.HK) is a leading provider of advanced battery power & energy management solutions, delivering reliable & efficient energy to industries, data centers, cities and infrastructure across the world.

Headquartered in Singapore, we operate 21 state-of-the-art manufacturing facilities and maintain a global network of 80+ service companies, serving clients in over 150 countries. Our team of 15,000 professionals, including 1,500+ R&D and technical experts, drives innovation and ensures the highest standards of quality and reliability.

### Expertise in Battery Power & Smart Energy Solutions

At LEOCH, we deliver quality power solutions built to perform across industrial and commercial applications. Our expertise includes:

**Battery Energy Storage Systems (BESS):** Industrial, commercial, residential, grid-side, and renewable energy solutions.

**Telecom & Data Centre Backup Power Solutions:** Reliable & quality power for mission-critical network power, UPS and AI data center power applications.

**Automotive Power Solutions:** Start-stop, lighting and ignition batteries for ICE & EV cars, motorcycles, etc.

**Motive Power Solutions:** Golf cart, bicycle & tricycle, material handling and forklifts.

**Battery Recycling:** Sustainable recycling solutions for a greener future.

At LEOCH BATTERY, we are committed to innovation, reliability, and sustainability, ensuring that our clients and partners across the globe receive reliable and efficient power and smart energy solutions.

 **1500+**  
R&D Staffs

 **20+**  
Years of Industrial Experience

 **8**  
Global R&D Centers

 **60+**  
Standard Settings

 **1000+**  
Patents



Leoch manufacturing team has experience in large-scale lithium battery manufacturing and the ability of long-term stable product delivery. The company's lithium battery production line has achieved a high degree of automation and intelligence in production. By introducing a new EMS intelligent system and integrating data acquisition channels (RFID, PLC, IPC, PC, etc.) to cover the entire factory manufacturing site, it can ensure real-time, accurate, and comprehensive collection of big data, multi-dimensional protection of product stability, consistency, service, which helps customers establish safe and reliable energy storage systems.

## Test Center

Since its establishment, Leoch testing and verification center has been operating strictly accordance with the requirements of CNAS. It has industry-leading testing and verification equipments and a high-level tester team, and has professional testing and verification capabilities for lithium battery products, including material testing, performance testing, and safety and reliability testing, which is able to ensure the quality of battery products is safe and reliable.

# Golf Cart Lithium Battery



\*The details refer to specification



## ON-BOARD CHARGER

Mainly used in various electric vehicle markets, it can convert AC power into DC power output, which can be used to charge lead-acid batteries as well as lithium batteries.



## CHARGING AND DISCHARGING PLUG WITH WIRE

Used for connecting lithium battery charging ports and chargers, or for connecting lithium battery discharge ports and golf cart controllers.



## COMMUNICATION WIRE HARNESS

A dedicated wiring harness used for communication between batteries and display screens or golf cart controllers.



## DISPLAY SCREEN

There are various types of display screens, including digital tubes, LCD screens, touch color screens, etc., with diverse shapes.



## BRACKET WITH NUTS AND BOLTS

Shell for fixing battery pack

# GOLF CART LITHIUM BATTERY



Model	Voltage (V)	Capacity (Ah)	Power (KWh)	MAX Continuous Current		Cycle Life	Dimension(±3mm)			Weight (kg)	Function(Optional)
				Charging(A)	Discharging(A)		L	W	H		
MKS-GP4880	48	80	3.84	80	80	5000	445	310	250	43.80	CAN/RSN485 Bluetooth
MKS-GP48105	48	105	5.04	105	105	5000	527	310	263	45.00	CAN/RSN485 Bluetooth
MKS-GP48150	48	150	7.20	150	150	5000	540	360	250	60.00	CAN/RSN485 Bluetooth
MKS-GP48210	48	210	10.08	105	120	5000	539	418	250	84.50	CAN/RSN485 Bluetooth
MKS-GP51105	51.2	105	5.37	100	200	5000	500	334	268	49.80	CAN/RSN485 Bluetooth
MKS-GP51105A	51.2	105	5.37	105	200	5000	569	248	265	46.00	CAN/RSN485 Bluetooth
MKS-GP51105B	51.2	105	5.37	105	200	5000	470	296	281	46.00	CAN/RSN485 Bluetooth
MKS-GP51105F	51.2	105	5.37	105	200	5000	569	248	265	48.00	CAN/RSN485 Bluetooth
MKS-GP51150	51.2	150	7.68	100	200	5000	559	308	270	70.00	CAN/RSN485 Bluetooth
MKS-GP51160	51.2	160	8.19	160	200	5000	559	308	270	70.00	CAN/RSN485 Bluetooth



# Sightseeing Bus Lithium Battery



\*The details refer to specification

# SIGHTSEEING BUS LITHIUM BATTERY



Model	Voltage (V)	Capacity (Ah)	Power (KWh)	MAX Continuous Current		Dimension(±3mm)			Weight (kg)	Function(Optional)
				Charging(A)	Discharging(A)	L	W	H		
MKS-SP72150	76.8	150	11.52	150	300	680	420	230	105.00	CAN/RSN485 Bluetooth
MKS-SP72150	76.8	150	11.52	150	250	1000	290	280	103.00	CAN/RSN485 Bluetooth
MKS-SP72200	76.8	200	15.36	100	200	1000	290	280	125.00	CAN/RSN485 Bluetooth
MKS-SP72200	76.8	200	15.36	150	200	515	370	280	135.00	CAN/RSN485 Bluetooth
MKS-SP72200	76.8	200	15.36	100	200	1100	338	300	129.00	CAN/RSN485 Bluetooth
MKS-SP72230	76.8	230	17.66	115	115	1000	290	280	136.00	CAN/RSN485 Bluetooth
MKS-SP72300	76.8	300	23.04	100	300	680	350	230	188.00	CAN/RSN485 Bluetooth
MKS-SP72300	76.8	300	23.04	100	250	860	260	280	182.00	CAN/RSN485 Bluetooth
MKS-SP72300	76.8	300	23.04	100	300	1200	320	280	164.00	CAN/RSN485 Bluetooth
MKS-SP72400	76.8	400	30.72	100	300	1000	290	280	241.00	CAN/RSN485 Bluetooth
MKS-SP96300	96	300	28.80	150	150	1050	280	280	184.00	CAN/RSN485 Bluetooth
MKS-SP96400	96	400	38.40	100	250	1100	335	280	270.00	CAN/RSN485 Bluetooth
MKS-SP96400	96	400	38.40	100	250	1450	320	280	270.00	CAN/RSN485 Bluetooth
MKS-SP96560	96	560	53.76	180	180	1360	260	280	419.00	CAN/RSN485 Bluetooth
MKS-SP144200	144	200	28.80	100	100	1200	298	280	249.00	CAN/RSN485 Bluetooth



# SIGHTSEEING BUS LITHIUM BATTERY

**0**

**Maintenance**

Good safety, high consistency, longer life

**BMS**

**Intelligent Management**

Intelligent management system, Built-in reliable BMS, health status real-time monitoring

**-20~60°C**

**Work Environment**

Wide operating temperature range, discharging operating -20°C~60°C

**3000+**

**Life Cycles**

More than 3000 cycles, 5 years of warranty, 15 years of design life

**5 years**

**Warranty**

Automatic intelligent production line, processing information can be trace

## THREE-WHEEL VEHICLE LITHIUM BATTERY



\*The details refer to specification

**0**

### Maintenance

Good safety, high consistency, longer life

**BMS**

### Intelligent Management

Intelligent management system, Built-in reliable BMS, health status real-time monitoring

**-20~60°C**

### Work Environment

Wide operating temperature range, discharging operating -20°C~60°C

**3000+**

### Life Cycles

More than 3000 cycles, 5 years of warranty, 15 years of design life

**5years**

### Warranty

Automatic intelligent production line, processing information can be trace

Model	Voltage (V)	Capacity (Ah)	Power (KWh)	MAX Continuous Current		Dimension(±3mm)			Weight (kg)	Function(Optional)
				Charging(A)	Discharging(A)	L	W	H		
MKS-TP6450	64	50	3.20	25	50	528	360	175	35.00	Bluetooth
MKS-TP6467	64	67	4.28	30	60	598	300	200	45.00	Bluetooth
MKS-TP6480	64	80	5.12	40	80	518	296	251	45.00	Bluetooth
MKS-TP64100	64	100	6.40	50	100	600	380	200	56.20	Bluetooth
MKS-TP7650	76.8	50	3.84	25	50	615	360	175	45.00	Bluetooth
MKS-TP7667	76.8	67	5.14	30	60	698	300	202	52.00	Bluetooth
MKS-TP7680	76.8	80	6.14	40	80	512	307	251	55.00	Bluetooth
MKS-TP76100	76.8	100	7.68	50	100	553	330	265	67.00	Bluetooth

## CLEANING MACHINE LITHIUM BATTERY



\*The details refer to specification

**0**

### Maintenance

Good safety, high consistency, longer life

**BMS**

### Intelligent Management

Intelligent management system, Built-in reliable BMS, health status real-time monitoring

**40%**

### Lighter Weight

About 40% of the weight of a lead-acid battery

**5years**

### Warranty

Automatic intelligent production line, processing information can be traced

**-20~60°C**

### Work Environment

-20-60°C, good high temperature performance

Model	Voltage (V)	Capacity (Ah)	Power (KWh)	Cycle Life	MAX Continuous Current		Dimension(±3mm)			Weight (kg)
					Charging(A)	Discharging(A)	L	W	H	
MKS-CP24100	25.6	100	2.56	3000	100	100	330	340	225	27.50
MKS-CP24150	25.6	150	3.84	3000	100	100	526	333	223	46.50
MKS-CP24200	25.6	200	5.12	3000	100	100	526	333	223	49.00
MKS-CP35150	35.2	150	5.28	3000	100	100	490	360	240	54.50
MKS-CP48200	48	200	9.60	3000	100	100	530	370	273	84.00



\*The details refer to specification

**95%**

**Fast Charging**

Up to 95% energy conversion rate with fast charging

**BMS**

**Intelligent Management**

Intelligent management system, Built-in reliable BMS, health status real-time monitoring

**95%**

**Energy Saving**

Energy conversion rate up to 95%



**High Level Security Standard**

With "lock confirmation" and "system-wide emergency power off" functions

**3000+**

**Life Cycles**

More than 3000 cycles, 15 years of design life

**0**

**Maintenance Free**

No need manual maintenance with fully enclosed structure

Model	Voltage (V)	Capacity (Ah)	Power (KWh)	MAX Continuous Current		Dimension(±3mm)			Weight (kg)	Function(Optional)
				Charging(A)	Discharging(A)	L	W	H		
MKS-FP24210	25.6	210	5.37	100	100	800	215	585	250.00	CAN/RS485/Bluetooth
MKS-FP24200	25.6	200	5.12	200	200	645	190	540	62.00	CAN/RS485/Bluetooth
MKS-FP24200	25.6	200	5.12	200	200	550	190	350	55.00	CAN/RS485/Bluetooth
MKS-FP24410	25.6	410	10.49	200	200	780	330	590	496.00	CAN/RS485/Bluetooth
MKS-FP36690	38.4	690	26.49	200	200	970	505	775	1179.00	CAN/RS485/Bluetooth



\*The details refer to specification

**0**

**Maintenance**

Good safety, high consistency, longer life

**BMS**

**Intelligent Management**

Intelligent management system, Built-in reliable BMS, health status real-time monitoring

**-40~60°C**

**Work Environment**

Wide operating temperature range, discharging operating -40°C~60°C

**2500+**

**Life Cycles**

More than 2500 cycles, 15 years of design life

**5years**

**Warranty**

Automatic intelligent production line, processing information can be traced

Model	Voltage (V)	Capacity (Ah)	Power (KWh)	MAX Continuous Current		Dimension(±3mm)			Weight (kg)	Function(Optional)
				Charging(A)	Discharging(A)	L	W	H		
MKS-PP24150	25.6	150	3.84	100	150	500	320	185	37.10	CAN/RS485/Bluetooth/4G
MKS-PP24200	25.6	200	5.12	200	200	510	415	185	49.40	CAN/RS485/Bluetooth/4G
MKS-PP24205	25.6	205	5.24	200	200	510	230	270	47.20	CAN/RS485/Bluetooth/4G