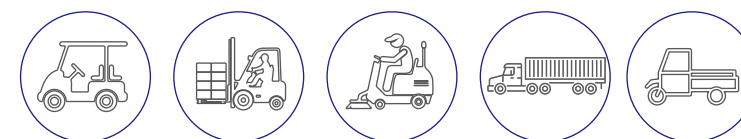




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Subject to revisions without prior notice E&OE.
*Data above is recommended and the picture is only show as reference, the real product outlook might be slightly vary. The outlook shall refer to final product specs, LEOCH reserve the final right of explanation.

LEOCH LITHIUM GREEN TRANSPORTATION SOLUTIONS



www.leoch.com

Stock Code: 00842.HK

LB-LI-GT-PB-EN-V1.7-202609



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

1000+

Patents

60+

Standard Settings

Large scale automated production line



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.
- DC-DC CONVERTER**

 - Designed primarily for the electric vehicle market and similar applications.
 - Converts high-voltage (36V/48V) power from the traction battery pack to a stable 12V low-voltage output. This powers onboard vehicle electronics and charges auxiliary batteries.
 - Utilizes an advanced synchronous buck topology, delivering high efficiency, compact size, and lightweight construction.
 - Incorporates comprehensive protection including over-voltage, under-voltage, over-temperature, and output overload/short circuit protection.
 - Features a robust die-cast aluminum sealed enclosure rated IP65, providing excellent waterproofing and shock resistance.
- 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	Dimension (±3mm)	Voltage (V)	Capacity (Ah)	Power (KWh)	Cycle Life	MAX Continuous Current		Weight (kg)	BMS type	Function (Optional)	Authentication Information
							Charging (A)	Discharging (A)				
1	MKS-GP36105	433*334*285	38.4	105	4.03	5000	100	105	40	Software	CAN/RS485 Bluetooth	UN38.3
2	MKS-GP5180	375*337*273	51.2	80	4.096	5000	80	160	35.8	Software	CAN/RS485 Bluetooth	UN38.3
3	MKS-GP51105	500*334*268	51.2	105	5.37	5000	100	200	50	Software	CAN/RS485 Bluetooth	UN38.3
4	MKS-GP51105A	550*248*265	51.2	105	5.37	5000	105	200	46.8	Software	CAN/RS485 Bluetooth	UN38.3/CE/UL2271
5	MKS-GP51105F	550*248*265	51.2	105	5.37	5000	105	200	48	Software	CAN/RS485 Bluetooth	UN38.3
6	MKS-GP51150	559*308*270	51.2	150	7.68	5000	100	200	70	Software	CAN/RS485 Bluetooth	UN38.3/CE
7	MKS-GP51160	559*308*270	51.2	160	8.19	5000	160	200	70	Software	CAN/RS485 Bluetooth	UN38.3/UL2271
8	MKS-GP70150	720*369*230	70.4	150	10.56	5000	75	200A(20min)	85	Software	CAN/RS485 Bluetooth	UN38.3



Sightseeing Bus Lithium Battery



*This for illustration only. The detail refer to specification.

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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,
discharge 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

Sightseeing Bus Lithium Battery



	Model	Dimension (±3mm)	Voltage (V)	Capacity (Ah)	Power (kWh)	Cycle Life	MAX Continuous Current		Weight (kg)	BMS type	Function (Optional)	Authentication Information
							Charging (A)	Discharging (A)				
1	MKS-SP72150	680*420*230	76.8	150	11.52	3000	150	300	105	Software	CAN/RS485 Bluetooth	
2	MKS-SP72150	1000*290*280	76.8	150	11.52	3000	150	250	103	Software	CAN/RS485 Bluetooth	
3	MKS-SP72200	1000*290*280	76.8	200	15.36	3000	100	200	125	Software	CAN/RS485 Bluetooth	UN38.3
4	MKS-SP72200	515*370*280	76.8	200	15.36	3000	150	200	135	Software	CAN/RS485 Bluetooth	
5	MKS-SP72200	1100*338*300	76.8	200	15.36	3000	100	200	129	Software	CAN/RS485 Bluetooth	
6	MKS-SP72230	1000*290*280	76.8	230	17.66	3000	115	115	136	Software	CAN/RS485 Bluetooth	
7	MKS-SP72300	680*350*230	76.8	300	23.04	3000	100	300	188	Software	CAN/RS485 Bluetooth	
8	MKS-SP72300	860*260*280	76.8	300	23.04	3000	100	250	182	Software	CAN/RS485 Bluetooth	UN38.3
9	MKS-SP72300	1200*320*280	76.8	300	23.04	3000	100	300	164	Software	CAN/RS485 Bluetooth	
10	MKS-SP72400	1000*290*280	76.8	400	30.72	3000	100	300	241	Software	CAN/RS485 Bluetooth	
11	MKS-SP96300	1050*280*280	96	300	28.8	3000	150	150	184	Software	CAN/RS485 Bluetooth	
12	MKS-SP96400	1100*335*280	96	400	38.4	3000	100	250	270	Software	CAN/RS485 Bluetooth	
13	MKS-SP96400	1450*320*280	96	400	38.4	3000	100	250	270	Software	CAN/RS485 Bluetooth	
14	MKS-SP96560	1360*260*280	96	560	53.76	3000	180	180	418.5	Software	CAN/RS485 Bluetooth	
15	MKS-SP144200	1200*298*280	144	200	28.8	3000	100	100	249	Software	CAN/RS485 Bluetooth	





*The details refer to specification

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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,
discharge 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	Dimension (±3mm)	Voltage (V)	Capacity (Ah)	Power (KWh)	Cycle Life	MAX Continuous Current		Weight (kg,±3%)	Authentication Information	Function (Optional)
							Charging (A)	Discharging (A)			
1	MKS-CP2480	377*247*210	25.6	80	2.05	3000	100	100	20.5	UN38.3	SOC display CAN/RS485
2	MKS-CP24100	330*340*200	25.6	100	2.56	3000	100	100	24.5	UN38.3	SOC display CAN/RS485
3	MKS-CP24150	526*333*223	25.6	150	3.84	3000	100	100	34.8	UN38.3	SOC display CAN/RS485
4	MKS-CP24200	526*333*223	25.6	200	5.12	3000	100	100	44.7	UN38.3	SOC display CAN/RS485
5	MKS-CP38150	490*360*240	38.4	150	5.76	3000	100	100	49.3	UN38.3	SOC display CAN/RS485



*The details refer to specification

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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,
discharge operating **-20°C~60°C**

40%

Lighter Weight

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

5years

Warranty

Automatic intelligent production line,
processing information can be trace

	Model	Dimension (±3mm)	Voltage (V)	Capacity (Ah)	Power (KWh)	Cycle Life	MAX Continuous Current		Weight (kg)	Cell type	BMS type
							Charging (A)	Discharging (A)			
1	MKS-TP4830	180*156*280	48	30	1.44	3000	6	30	11.33	Cylinder	Software
2	MKS-TP6030	180*165*330	60.8	30	1.824	4000	10	30	25	Prismatic	Software
3	MKS-TP6430	220*170*320	64	30	1.92	3000	6	30	12	Cylinder	Software
4	MKS-TP6430	375*183*173	64	30	1.92	3000	6	30	15	Cylinder	Software
5	MKS-TP7230	360*250*270	73.6	30	2.208	4000	10	30	18.5	Prismatic	Software
6	MKS-TP7240	440*335*175	73.6	40	2.944	4000	10	40	28	Prismatic	Software
7	MKS-TP7250	440*335*175	73.6	50	3.68	4000	10	50	35	Prismatic	Software



Forklift Lithium Battery

*This for illustration only. The detail refer to specification.

95%

Fast Charging

Up to **95%** energy conversion rate with fast charging

High Level Security Standard

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

BMS

Intelligent Management

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

3000+

Life Cycles

More than **3000** cycles, **15 years** of design life

95%

Energy Saving

Energy conversion rate up to **95%**

0

Maintenance Free

No need manual maintenance with fully enclosed structure

Forklift Lithium Battery



Model	Dimension (±3mm)	Voltage (V)	Capacity (Ah)	Power (KWh)	Cycle Life 0.5C @25°C 80%DOD	MAX Continuous Current		Weight (kg)	Function (Optional)	Authentication Information
						Charging (A)	Discharging (A)			
LB-LFeLi-FT24-200	550*190*350	25.6	200	5.12	3500	200	200	55	CAN/RS485	UN38.3
LB-LFeLi-FT24-280	600*200*540	25.6	280	7.16	3500	150	280	72.5	CAN/RS485	UN38.3
LB-LFeLi-FT48-360	650*580*342	48	360	17.28	3500	200	360	144	CAN/RS485	UN38.3
LB-LFeLi-FT48-400	822*345*535	48	400	19.5	3500	200	350	175.8	CAN/RS485	UN38.3
LB-LFeLi-FT48-460	795*495*370	48	460	22.08	3500	200	350	168.4	CAN/RS485	UN38.3
LB-LFeLi-FT48-500	822*425*615	48	500	24	3500	150	350	207.2	CAN/RS485	UN38.3
LB-LFeLi-FT48-560	915*510*525	48	560	26.88	3500	200	350	236.5	CAN/RS485	UN38.3
LB-LFeLi-FT80-205	731*510*326	80	205	16.4	3500	150	205	140	CAN/RS485	UN38.3
LB-LFeLi-FT80-280	731*560*326	80	280	22.4	3500	150	280	178.8	CAN/RS485	UN38.3
LB-LFeLi-FT80-420	795*690*545	80	420	33.6	3500	200	350	298.5	CAN/RS485	UN38.3
LB-LFeLi-FT80-460	995*605*545	80	460	36.8	3500	200	350	299	CAN/RS485	UN38.3

Features

- After standard charging, rest the cells 4h at 60±2°C, then discharging at 0.3C to voltage 20V, recording the discharging time.
- After standard charging, rest the cells for 16h at -20±2°C, then discharging at 0.2C to voltage 20V, recording the discharging time.
- Put the cells in the oven. The temperature of the oven is tobe raised at 5+2°C per minute to a temperature of 130±2°C and remains 30 minutes.

