

Keheng Battery Renew Your Life

SLA Replacement Battery

Drop-in Replacement
Battery With ABS Case

Renewable

Reliable

Affordable



Features and advantages



Grade A Cells

LFP Technology, over 6000 cycles
@80% DOD, 15YEARS service life



Intelligent BMS

Integrated smart BMS, Multi-Active
Protection function like over charge/
discharge/temperature/
current/voltage; short-circuit;
reverse protection etc.



Customization

Bluetooth, WIFI, LCD available to
provide Real-time APP monitoring



Self-Heating

Heatable function optional
meets your all weather
application



Light Weight

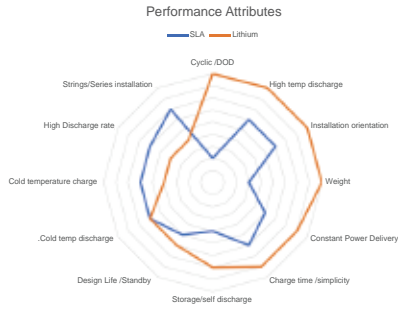
Compact size together ultra
lightweight design, save your
install space &
energy saving



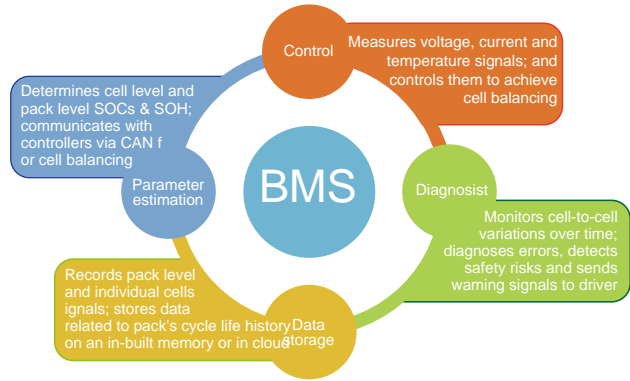
Multiple Application

Solar Energy Storage, Off-grid
back Up, Marine, Golf Cart, AGV,....

BATTERY MANAGEMENT SYSTEM



Here we look at the performance differences between lithium and lead acid batteries



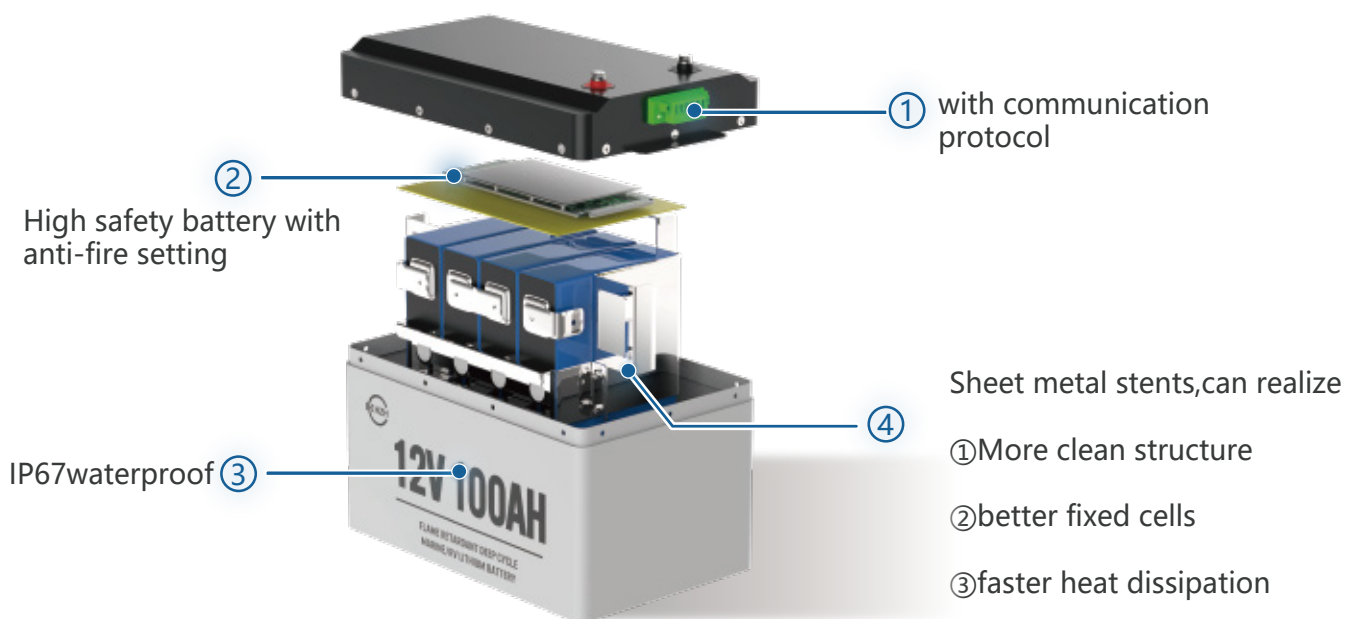
Technical Specification

Model	KHLFP-L1250	KHLFP-L1285	KHLFP-L12100	KHLFP-L12125	KHLFP-L12146	KHLFP-L12200	KHLFP-L12280	KHLFP-L12300
Nominal Voltage	12.8V	12.8V	12.8V	12.8V	12.8V	12.8V	12.8V	12.8V
Nominal Capacity	50Ah	85Ah	100Ah	125Ah	146Ah	200Ah	280Ah	300Ah
Nominal Energy	640Wh	1088Wh	1280Wh	1600Wh	1868Wh	2560Wh	3584Wh	3840Wh
Operating Voltage	10.4-14.6V							
Standard Charge	10A	17A	20A	25A	29.2A	40A	56A	60A
Standard Discharge	25A	42.5A	50A	62.5A	73A	100A	140A	150A
Maximum Continuous Charge	25A	42.5A	50A	62.5A	73A	100A	140A	150A
Maximum Continuous Discharge	50A	85A	100A	125A	146A	200A	200A	200A
Life Cycles	≥6000 Cycles @80% DOD							
Charge Temperature	0-45 C							
Discharge Temperature	-20-55 C							
Storage Temperature	-20-60 C							
Case Material	Flame-resistant ABS							
Dimension(LxWxH)	229x138x210mm	260x168x211mm	260x168x211mm	260x168x211mm	306x168x211mm	522x239x218.5mm	520x268x220.5mm	520x268x220.5mm
Weight	5.5kg	8.9kg	10kg	11.8kg	12.8kg	20.7kg	26.5kg	26.5kg
Certification	UN38.3, MSDS, CE							

Technical Specification

Model	KHLFP-L24100	KHLFP-L24120	KHLFP-L24200	KHLFP-L24280	KHLFP-L4850	KHLFP-L48100
Nominal Voltage	25.6V	25.6V	25.6V	25.6V	51.2V	51.2V
Nominal Capacity	100Ah	120Ah	200Ah	280Ah	50Ah	100Ah
Nominal Energy	2560Wh	3072Wh	5120Wh	7168Wh	2560Wh	5120Wh
Operating Voltage	20.8-29.2V	20.8-29.2V	20.8-29.2V	20.8-29.2V	41.6-58.4V	41.6-58.4V
Standard Charge	20A	24A	40A	56A	10A	20A
Standard Discharge	50A	60A	100A	140A	25A	50A
Maximum Continuous Charge	50A	60A	100A	140A	25A	50A
Maximum Continuous Discharge	100A	120A	200A	200A	50A	100A
Life Cycles	≥6000 Cycles @80% DOD					
Charge Temperature	0-45 C					
Discharge Temperature	-20-55 C					
Storage Temperature	-20-60 C					
Case Material	Flame-resistant ABS					
Dimension(LxWxH)	522x239x218.5mm	522x239x218.5mm	520x268x220.5mm	640x245x220mm	532x207x215mm	522x239x218.5mm
Weight	19.3kg	22.5kg	36kg	47.5kg	19kg	36kg
Certification	UN38.3, MSDS, CE					

Configuration upgrade



OPTION
01 Heating Function



Bluetooth/Wifi App

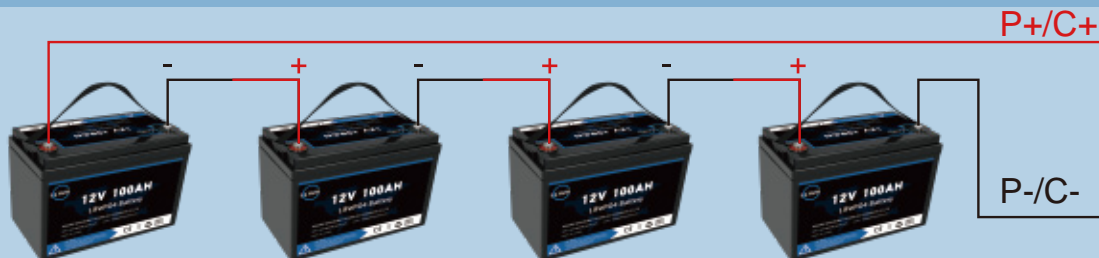


OPTION
03 On/Off Button

Series And Parallel Connection Applications

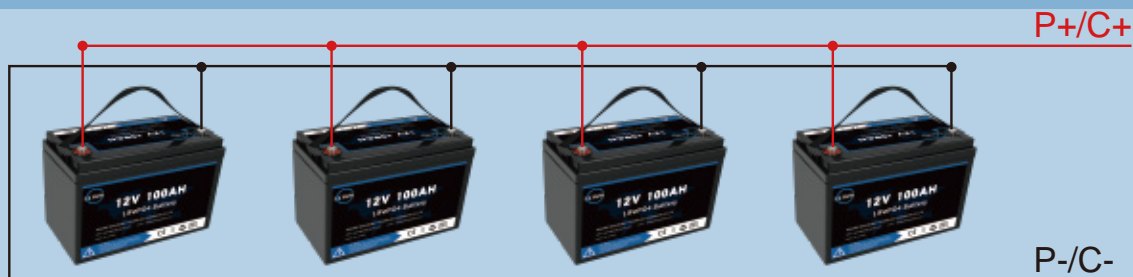
At the core of the SLA replacement lithium battery is an intelligent BMS that monitors and reacts to multiple factors of voltage, current, and temperature to maximize performance, battery life, and safety. With its advanced BMS design, the lithium batteries can be connected in series up to 4 batteries (Max. system voltage 48Vdc), and up to 15 batteries in parallel connection, providing an ideal solution for higher voltage or higher capacity applications.

MAX SERIES CONNECTION APPLICATIONS



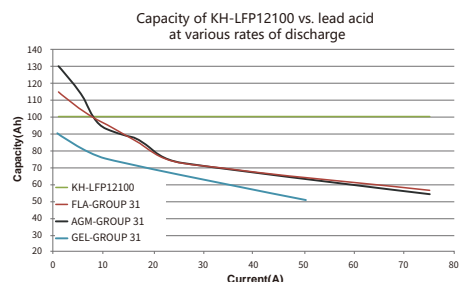
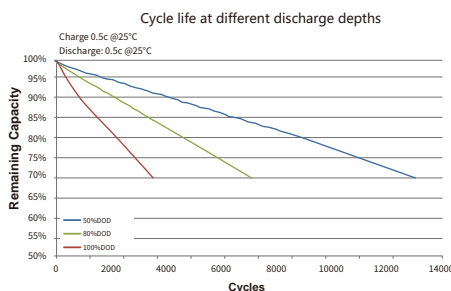
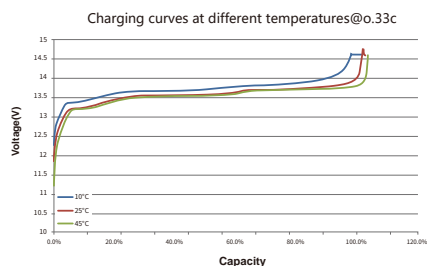
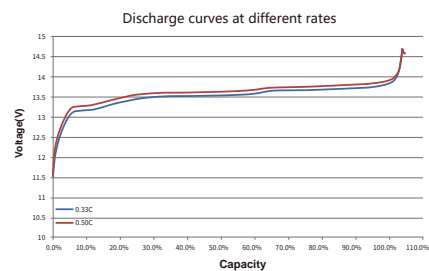
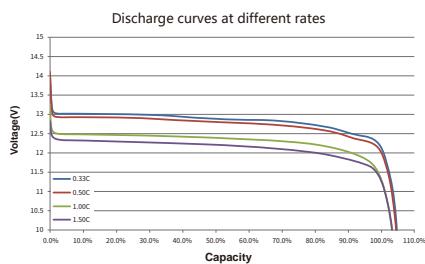
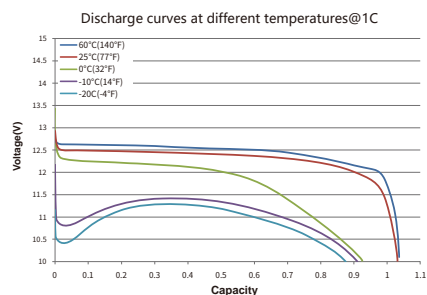
the lithium batteries can be connected in series configuration up to 4 batteries

MAX PARALLEL CONNECTION APPLICATIONS



the lithium batteries can be connected in parallel configuration up to 15 batteries

Electric Discharge Curve



UPS Battery Backup

Drop-in Replacement Battery With ABS Case



Technical Specification

Model	KHLFP-L645	KHLFP-L1250	KHLFP-L1272	KHLFP-L1290	KHLFP-L12120	KHLFP-L12170	KHLFP-L12000
Normal voltage	6.4V	12.8V	12.8V	12.8V	12.8V	12.8V	12.8V
Normal capacity	4.5Ah	5Ah	7.2Ah	9Ah	12Ah	17Ah	100Ah
Normal energy	28.8Wh	64Wh	92.16Wh	115.2Wh	153.6Wh	217.6Wh	1280Wh
Life cycles	>6000 cycles (80%DOD)						
End charge voltage	7.3V	14.6V	14.6V	14.6V	14.6V	14.6V	14.6V
End discharge voltage	4V	8V	8V	8V	8V	8V	8V
Standard charge(0.2C)	0.9A	1A	1.44A	1.8A	2.4A	3.4A	20A
Standard discharge(0.2C)	0.9A	1A	1.44A	1.8A	2.4A	3.4A	20A
Maximum continuous charge(0.5C)	2.25A	2.5A	3.6A	4.5A	6A	8.5A	50A
Maximum continuous discharge(1C)	4.5A	5A	7.2A	9A	12A	17A	100A
Charge temperature	0°C - 45°C						
Discharge temperature	-20 - 60°C						
Case material	Flame-resistant ABS Case						
Dimension(LxWxH)	70X47X101mm	90X70X101mm	151X65X94mm	151X65X94mm	151X98X94mm	181X77X170mm	330X172X213mm
Approx. weight	0.3KG	0.5KG	0.75KG	0.8KG	1.2KG	1.7KG	13KG
Charge retention and capacity recovery capability	Standard charge the battery, and then put aside at room temperature for 28d or 55°C for 7d, Charge retention rate ≥90%, Recovery rate of charge ≥90%						
Certification	UN38.3, MSDS, CE,						

Starting LiFePO4 Battery












Working as Starting &
Deep Cycle Dual Purpose



Features and Advantages

- Grade A lifepo4 cell longer cycle life, safer
- More than 6000 cycles of use 80%DOD
- Wider battery operating temperature range
- Suitable size, light weight, more convenient to use
- Phone APP connects To bluetooth, TB monitoring optional
- Waterproof ABS case, No matter rain or wet, no worry about the damage to the circuit

Car Starter Battery Series

Model	Picture	Voitage	Capacity	CCA	Dimension(L*W*H)	Weight (Kg)
KH-S1240		12.8V	40Ah	400A	197*128*200mm	5.5kg
KH-S1260		12.8V	60Ah	500A	244*176*190mm	5.97kg
KH-S1275		12.8V	75Ah	600A	244*176*190mm	6.71kg
KH-S1280		12.8V	80Ah	800A	279*175*189mm	8.2kg
KH-S1290		12.8V	90Ah	900A	244*176*190mm	7.79kg
KH-S12105		12.8V	105Ah	1000A	315*175*172mm	9.1kg
KH-S12105A		12.8V	105Ah	1000A	279*175*189mm	8.93kg
KH-S12120		12.8V	120Ah	1200A	318*176*187mm	10.22kg
KH-S12165		12.8V	165Ah	1300A	318*176*187mm	13.98kg
KH-S12200		12.8V	200Ah	1500A	508*219*224mm	19.3kg
KH-S12220		12.8V	220Ah	1500A	524*236*238mm	20.8kg

RELIABLE

1000 CCA

-20°C low temperature, keheng lithium battery can work normally



RC:250Min

After the car turned off, can continue to work

Built-in High-Quality A-Grade Lifepo4 Battery
Calls Battery Voltage and Battery Capacity can be Customized According to your Requirements

LFP Industrial Battery

Used In Forklift, Floor Cleaning Machine, Aerial Work Platform, Carts etc.



Retrofit your golf cart & forklifts to Lithium

- > Higher efficiency means more power
- > Lasts longer with less downtime
- > Less costs in all service life
- > The battery can stay on board for fast recharging
- > No maintenance, watering, or swapping any more

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Maintenance

5_{yr}

Warranty

up to
10_{yr}

Battery life

-4~137°F

Working environment

up to
6000⁺

Life cycles

Details



Battery unit:
LiFePO4 safe and ECO friendly



Battery Pack:
reasonable separation to keep the consistency



Battery rack:
it can meet different requirements flexibly



Holder design:
easy to carry and install



Operation area:
Easy to operate. The indicator light of the switch can tell if the battery is in good condition or not



Information area:
show basic information of the weight and production time(eg)



Technical Specification

Model	KHLFP-M3650	KHLFP-M36105	KHLFP-M4850	KHLFP-M48105	KHLFP-M48160	KHLFP-M72105	KHLFP-M72160
Nominal Capacity	50Ah	105Ah	50Ah	105Ah	160Ah	105Ah	160Ah
Nominal Voltage	38.4V	38.4V	51.2V	51.2V	51.2V	73.6V	73.6V
Nominal Energy	1920Wh	4032Wh	2560Wh	5376Wh	8190Wh	7728Wh	11776Wh
Operating Voltage	31.2-43.8V		41.6-58.4V		59.8-83.95V		
Dimension(LxWxH)	385x338x245mm	385x338x245mm	416x334x232mm	472x334x243mm	827x330x232mm	740x320x259mm	800x475x221mm
Weight	27kg	34kg	35kg	43.6kg	72kg	64kg	115kg
Standard Charge	10A	21A	10A	21A	32A	21A	32A
Maximum Continuous Charge	25A	52.5A	25A	52.5A	80A	52.5A	80A
Standard Discharge	50A	105A	50A	105A	160A	105A	160A
Maximum Pulse Discharge	150A	315A	150A	315A	480A	315A	480A
Life Cycles	≥6000 Cycles @80% DOD						
Case Material	Metal						
Certification	UN38.3, MSDS, CE						

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