

LITHIUM BATTERY

锂电池产品手册



www.kijo-battery.com



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COMPANY INTRODUCTION

公司介绍

江西京九电源科技有限公司(京九集团)始创于1993年,是一家集科、工、贸于一体的专业化蓄电池生产企业,公司成立30年来一直专注于蓄电池产品的研发制造,2021年公司蓄电池产品产能超3000万台,产值超50亿,行业综合实力名列前茅。

目前,公司已在九江、南昌、孟加拉、新余建立四大研发制造及营销基地,公司主要有电动道路车辆用铅酸蓄电池、电动汽车用动力电池、阀控式密封铅酸蓄电池、启动电池、储能电池、铅酸蓄电池极板等十多个系列产品。现有员工近3000人,各类中高级技术人员400多人,公司技术力量雄厚,装备先进,先后荣获国家高新技术企业、中国驰名商标,中国十大电池品牌,公司通过ISO9001、ISO14000等体系认证和CE、UL认证,与中国空军、国家电网、南方电网、中国铁路以及众多电动车、电动三轮车、电动叉车知名品牌形成长期战略合作伙伴关系,产品远销东南亚、中东、非洲、欧美等地区,深受国内外用户的一致好评。

公司坚持“团结、拼搏、务实、创新”的企业精神,秉承诚信经营,开拓创新的经营理念,为“成为全球伟大的绿色能源企业”而不懈努力,京九人将以最大的热情和努力与全球客户一起共同发展,携手共创美好未来。



Founded in 1993, KIJIO battery Group is a professional battery manufacturer integrating science, industry and trade. KIJIO has a production capacity of over 30 million units and an output value of over 750 million USD. The comprehensive strength of KIJIO is the best in the industry, as a well-known AGM(absorbent glass mat battery), GEL, Deep Cycle, Lead Carbon, OPzV battery, OPzS battery manufacturer, leading Acid batteries and Lithium batteries for all kinds of industrial applications like Solar Systems, battery UPS system, Telecom, Data Centers, Rail Transit, Motive Vehicles, etc.

At present, the company has established four production bases in Nanchang, Jiujiang, Xinyu and Banladesh. The Nanchang base covers an area of 89,000 square meters. It is the group management headquarters and technology research and development center and undertakes some final assembly. The Jiujiang base covers an area of 330,000 square meters, which is a plate and colloid. It is a full-industrial chain production base with assembly, multi-lead alloy processing and electrolyte manufacturing. The Xinyu base covers an area of 20,000 square meters and is a high-tech base for the development of lithium batteries.

Kijio has nearly 3,000 employees and more than 400 middle and senior technical personnel. We have strong technical strength and advanced equipment. Kijio has passed ISO9001 quality system, ISO14000 environmental system certification and ISO16949 automotive industry system certification. In May 2015, Beijing Ball The brand trademark has been recognized as “China Famous Trademark” by the State Administration for Industry and Commerce, and has formed long-term strategic partnership with the Chinese Air Force, State Grid and China Southern Power Grid. The products are exported to Southeast Asia, the Middle East, Africa, Europe and the United States, and are well received wide acclaim from customers all over the world.

The company regards "stable development" as the highest strategy. Over the years, Kijio has always been "achieving customers, happy employees, and repaying the society" as its mission; adhering to the enterprise spirit of "hard work, truth-seeking and pragmatism, dedication and dedication", keeping pace with the times and develop Innovation, and make unremitting efforts to become the world's great green energy enterprise, continuing to develop healthily while moving towards a multi-disciplinary enterprise. In 2005, we are honored by well-known marks in China, also we are the long-term suppliers of China Air Force, State Grid, China and Southern Power Grid, Our products have been exported to Southeast Asia, the Middle East, Africa, Europe and the United States and other regions, highly trusted by domestic and foreign users.



LV WALL-MOUNTED POWER SUPPLY

壁挂式·低压电源

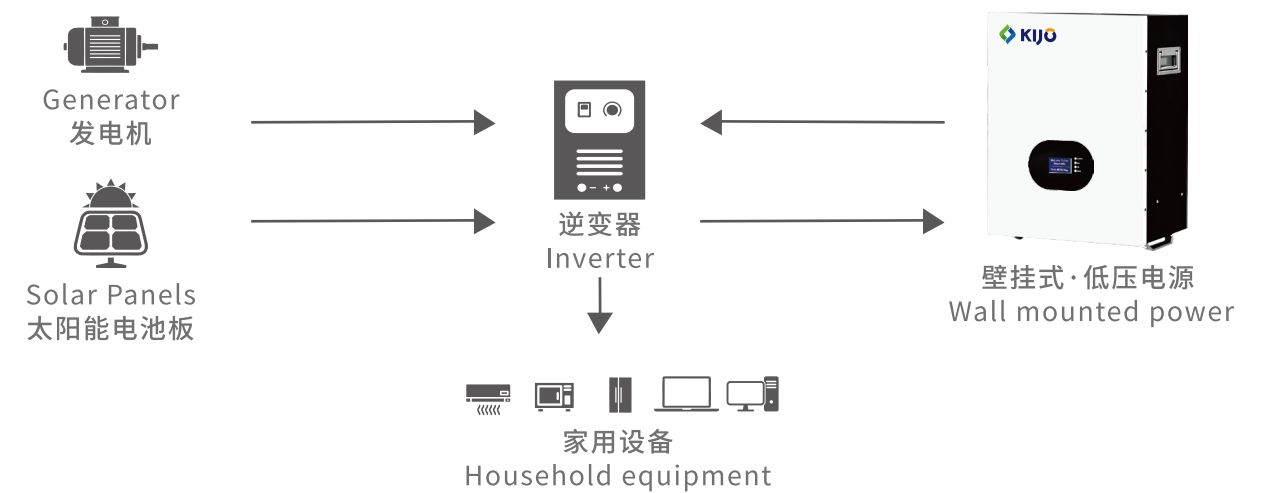


Datasheet 规格参数	KJ 5.1LW	KJ 10.2LW
Battery Module 电池型号	KIJO-51.2V100AH (5.12kWH)	KIJO-51.2V200AH (10.24kWH)
Number of Modules 模块数量	Multiple parallel connections are supported ×10 支持多个并联×10	
Energy Capacity 电源容量	5.12KWH	10.24KWH
Usable Capacity 可用容量	4.86KWH	9.73KWH
Nominal Voltage 标称电压	51.2V	51.2V
Operating voltage Range 工作电压范围	42~56V	42~56V
Standard Charge 标准充电电流	50A	100A
Discharge Current 标准放电电流	100A	100A
Dimension(W/D/H) 尺寸 (宽/深/高)	530*442*221mm	930*442*221mm
Weight 重量	47.5kg	98kg

PRODUCT FEATURES

产品特点

- 灵活的容量选择:5.12KWh、10.24KWh;
- LiFePO4电池优异的安全性;
- 安装方便,模块化和墙上安装设计;
- 电池类型:磷酸铁锂(LFP);
- 安装:壁挂式;
- 监测参数:SOC、系统电压、电流、电池电压、电池温度、PCBA温度测量;
- 通信端口:CAN、RS485;
- 设计寿命:≥10年;
- 证书:CE、UN38.3、UL1973(Cell)、IEC62619(Cell);
- 充电工作温度范围:0°C~55°C;
- Flexible capacity options:5.12KWh、10.24KWh.
- Excellent safety of LiFePO4 battery.
- Easy installation with modular and Wall-mounted design.
- Battery Type:Lithium Iron Phosphate (LFP).
- Installation: Wall-mounted.
- BMS Monitoring ParametersBMS: SOC, System voltage, current, cell voltage, cell temperature, PCBA temperature measurement.
- Communication Port: CAN、RS485.
- Design Life: ≥10 years.
- Certification:CE、UN38.3、UL1973 (Cell)、IEC62619 (Cell) .
- Charging operating temperature range: 0°C~55°C;
- Discharge working temperature range: - 20 ° C~55 ° C;



LV RACK-MOUNTED POWER SUPPLY

机架式·低压电源



Datasheet 规格参数	KJ 2.5LR	KJ 5.1LR	KJ 10.2LR
Battery Module 电池型号	KIJO-51.2V50AH (2.56kWh)	KIJO-51.2V100AH (5.12kWh)	KIJO-51.2V200AH (10.24kWh)
Number of Modules 模块数量	Multiple parallel connections are supported ×10 支持多个并联×10		
Energy Capacity 电源容量	2.56KWH	5.12KWH	10.24KWH
Usable Capacity 可用容量	2.43KWH	4.86KWH	9.73KWH
Nominal Voltage 标称电压	51.2V	51.2V	51.2V
Operating voltage Range 工作电压范围	42~56V	42~56V	42~56V
Standard Charge 标准充电电流	25A	50A	100A
Discharge Current 标准放电电流	50A	100A	100A
Dimension(W/D/H) 尺寸 (宽/深/高)	442*440*89mm	442*440*135mm	442*440*223mm
Weight 重量	25kg	45kg	90kg

PRODUCT FEATURES

产品特点

- 灵活的容量选择: 2.56KWH、5.12KWH、10.24 KWH;
- LiFePO4电池优异的安全性;
- 安装方便, 采用模块化和机架式设计;
- 电池类型: 磷酸铁锂 (LFP);
- 安装: 机架式;
- 监测参数: SOC、系统电压、电流、电池电压、电池温度、PCBA温度测量;
- 通信端口: CAN、RS485;
- 设计寿命: ≥10年;
- 证书: CE、UN38.3、UL1973 (Cell)、IEC62619 (Cell);
- 充电工作温度范围: 0°C~55°C;
- 放电工作温度范围: -20°C~55°C;
- Flexible capacity options: 2.56KWH、5.12KWh、10.24KWh;
- Excellent safety of LiFePO4 battery;
- Easy installation with modular and Rack-mount design;
- Battery Type: Lithium Iron Phosphate (LFP).
- Installation: Rack-mount design.
- BMS Monitoring Parameters BMS: SOC, System voltage, current, cell voltage, cell temperature, PCBA temperature measurement.
- Communication Port: CAN、RS485.
- Design Life: ≥10 years.
- Certification: CE、UN38.3、UL1973 (Cell)、IEC62619 (Cell) .
- Charging operating temperature range: 0°C~55°C;
- Discharge working temperature range: -20 °C~55 °C;



HV FLOOR INSTALLATION POWER SUPPLY

堆叠式·高压电源



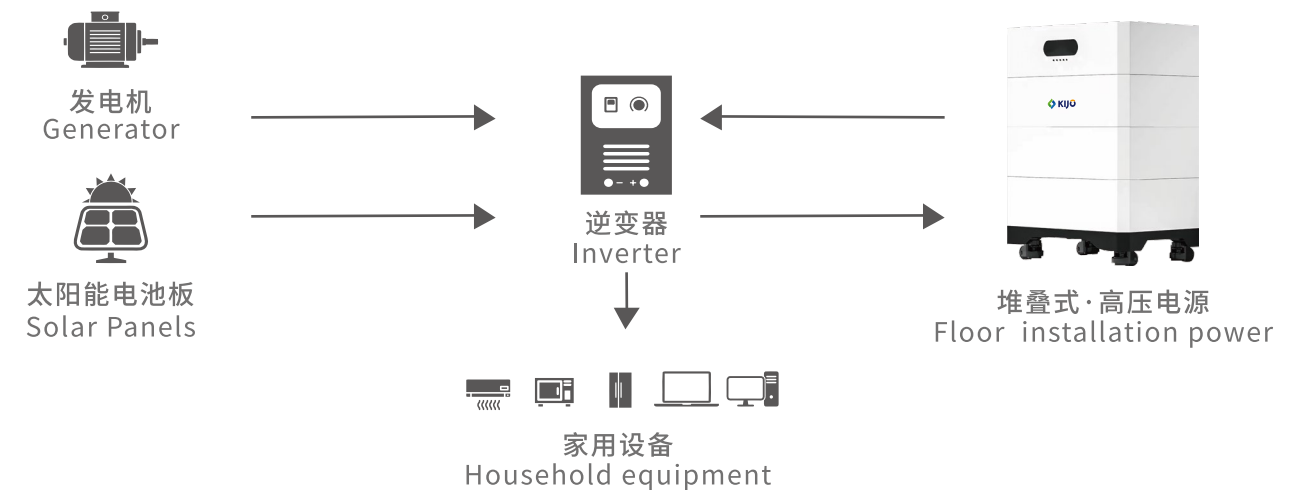
Type 类别	KJ 15.3 LF	KJ 20.4 LF	KJ 25.6 LF	KJ 30.7 LF	KJ 35.8 LF
Item 参数	3	4	5	6	7
Battery Module 单层电池型号	KJJO-51.2V100AH (5.12kWH / 560*500*170mm / 45kg)				
Number of Modules 模块数量	Supports serial connection x 10 支持多个串联×10				
Energy Capacity 电源容量	15.36KWH	20.48KWH	25.6KWH	30.72KWH	35.84KWH
Usable Capacity 可用容量	14.59KWH	19.46KWH	24.32KWH	29.18KWH	34.05KWH
Nominal Voltage 标称电压	153.6V	204.8V	256V	307.2V	358.4V
Operating voltage Range 工作电压范围	134.4~170.4V	179.2~227.2V	224~284V	268.8~340.8V	313.6~397.4V
Standard Charge 标准充电电流	50A	50A	50A	50A	50A
Discharge Current 标准放电电流	100A	100A	100A	100A	100A
Dimension(W/D/H) 尺寸(宽/深/高/mm)	560*500*650	560*500* 810	560*500* 970	560*500* 1130	560*500* 1290
Weight 重量	150kg	195kg	240kg	285kg	330kg

More different stacking quantities can be customized as required
可按要求定制更多不同堆叠数量

PRODUCT FEATURES

产品特点

- 灵活的容量选择, 15.36~51.2KWh;
- LiFePO4电池优异的安全性;
- 安装方便, 模块化和堆叠式设计;
- 电池类型: 磷酸铁锂 (LFP);
- 安装: 堆叠式;
- 监测参数: SOC、系统电压、电流、电池电压、电池温度、PCBA温度测量;
- 通信端口: CAN、RS485;
- 设计寿命: ≥20年;
- 证书: CE、UN38.3、UL1973 (Cell)、IEC62619 (Cell);
- 充电工作温度范围: 0°C~55°C;
- 放电工作温度范围: -20°C~55°C;
- Flexible capacity options: 15.36~51.2KWh
- Excellent safety of LiFePO4 battery;
- Easy installation with modular and Rack-mount design;
- Battery Type: Lithium Iron Phosphate (LFP).
- Installation: Floor installation.
- BMS Monitoring Parameters BMS: SOC, System voltage, current, cell voltage, cell temperature, PCBA temperature measurement.
- Communication Port: CAN、RS485.
- Design Life: ≥20 years.
- Certification: CE、UN38.3、UL1973 (Cell)、IEC62619 (Cell) .
- Charging operating temperature range: 0°C~55°C;
- Discharge working temperature range: - 20 ° C~55 ° C;



LV FLOOR INSTALLATION POWER SUPPLY

堆叠式·低压电源



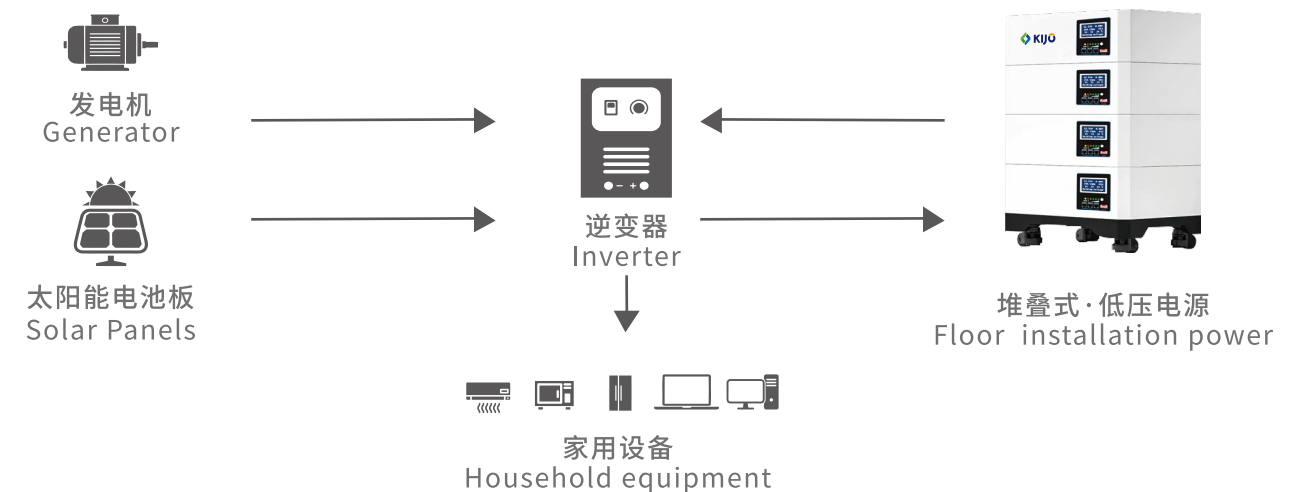
Type 类别	KJ 5.1 LF	KJ 10.2 LF	KJ 15.3 LF	KJ 20.4 LF	KJ 25.6 LF
Item 参数	1	2	3	4	5
Battery Module 单层电池型号	KJJO-51.2V100AH (5.12kWH / 560*500*170mm / 45kg)				
Number of Modules 模块数量	Multiple parallel connections are supported ×10 支持多个并联×10				
Energy Capacity 电源容量	5.12KWH	10.24KWH	15.36KWH	20.48KWH	25.6KWH
Usable Capacity 可用容量	4.86KWH	9.73KWH	14.59KWH	19.46KWH	24.32KWH
Nominal Voltage 标称电压	51.2V	51.2V	51.2V	51.2V	51.2V
Operating voltage Range 工作电压范围	42~56V	42~56V	42~56V	42~56V	42~56V
Standard Charge 标准充电电流	50A	100A	100A	100A	100A
Discharge Current 标准放电电流	100A	100A	100A	100A	100A
Dimension(W/D/H) 尺寸(宽/深/高/mm)	560*500*170	560*500* 330	560*500* 490	560*500* 650	560*500* 810
Weight 重量	45kg	90kg	135kg	180kg	225kg

More different stacking quantities can be customized as required
可按要求定制更多不同堆叠数量

PRODUCT FEATURES

产品特点

- 灵活的容量选择:5.12~51.2KWh;
- LiFePO4电池优异的安全性;
- 安装方便,模块化和堆叠式设计;
- 电池类型:磷酸铁锂(LFP);
- 安装:堆叠式;
- 监测参数: SOC、系统电压、电流、电池电压、电池温度、PCBA温度测量;
- 通信端口: CAN、RS485;
- 设计寿命: ≥20年;
- 证书: CE、UN38.3、UL1973 (Cell)、IEC62619 (Cell);
- Flexible capacity options: 5.12~51.2KWh.
- Excellent safety of LiFePO4 battery;
- Easy installation with modular and stacked design.
- Battery Type: Lithium Iron Phosphate (LFP).
- Installation: Floor installation.
- BMS Monitoring Parameters BMS: SOC, System voltage, current, cell voltage, cell temperature, PCBA temperature measurement.
- Communication Port: CAN、RS485.
- Design Life: ≥20 years.
- Certification: CE、UN38.3、UL1973 (Cell)、IEC62619 (Cell).



LEAD ACID REPLACEMENT BATTERY

铅酸替代电池



Model 规格型号	Rate Voltage 额定电压(V)	Rate Capacity 额定容量(Ah)	Size(mm) 外观尺寸	Weight 重量(kg)
KJ 12.8V4Ah	12.8	4	90x70x101	0.65
KJ 12.8V6Ah	12.8	6	151x65x94	0.9
KJ 12.8V8Ah	12.8	8	151x65x94	0.95
KJ 12.8V10Ah	12.8	10	151x99x95	1.55
KJ 12.8V12Ah	12.8	12	151x99x95	1.75
KJ 12.8V20Ah	12.8	20	181x76x166	2.55
KJ 12.8V24Ah	12.8	24	181x76x166	2.82
KJ 12.8V36Ah	12.8	36	197x131x183	4.8
KJ 12.8V42Ah	12.8	42	197x131x183	5.4
KJ 12.8V54Ah	12.8	54	197x166x171	6.5
KJ 12.8V75Ah	12.8	75	306x168x221	8.8
KJ 12.8V80Ah	12.8	80	306x168x221	9.5
KJ 12.8V100Ah	12.8	100	329x172x223	10
KJ 12.8V150Ah	12.8	150	483x170x240	15.5
KJ 12.8V200Ah	12.8	200	522x240x218	20.5
KJ 12.8V300Ah	12.8	300	522x240x218	29
KJ 24V54Ah	25.6	54	329x172x223	14
KJ 24V80Ah	25.6	80	483x170x240	21.5
KJ 24V100Ah	25.6	100	522x240x218	20.5
KJ 24V200Ah	25.6	200	450x442x223	45.0

PRODUCT FEATURES

产品特点

- 快充快放:比铅酸电池快10倍;
- 长循环寿命;
- 宽温度范围:-20-55°C
- 质量轻:同等容量铅酸1/3重量;
- 质量低自放电率:≤2%每月;
- 高强度ABS外壳材料。
- Fast charge and discharge:10 times faster than lead acid battery;
- Long cycle life;
- Wide temperature range:-20-55°C;
- Light weight:one third of lead acid battery with same capacity;
- Low self-discharge rate≤2% per month;
- High strength ABS shell.



ELECTRIC VEHICLE POWER SUPPLY

电动车电源

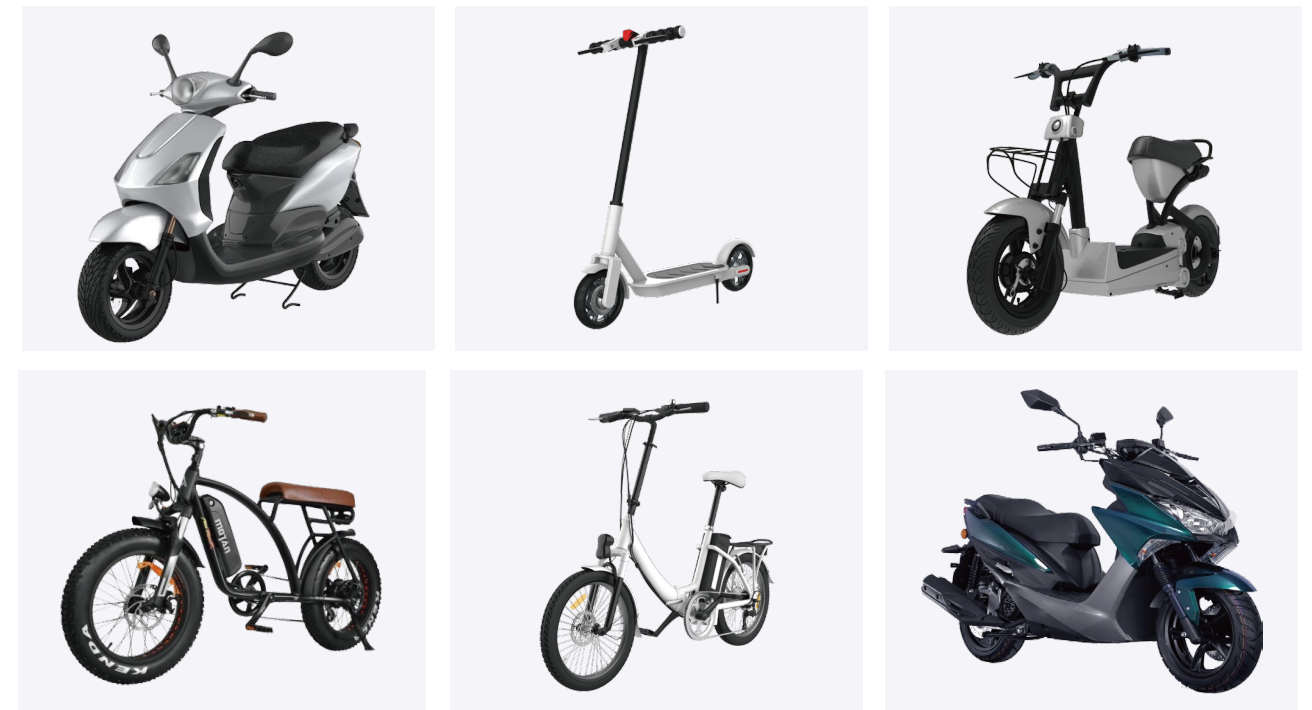


Battery Module 电池型号	KIJO-48V12AH	KIJO-48V20AH	KIJO-60V20AH
Internal resistance 内阻	≤240mΩ	≤200mΩ	≤200mΩ
Cycle life 循环寿命	≥800次	≥800次	≥800次
Charging voltage 充电电压	54.6±0.2V	54.6±0.2V	67.2V±0.2V
Standard Charge 标准充电电流	2A	4A	4A
Max charging current 最大充电电流	6A	10A	10A
Discharge Current 标准放电电流	6A	10A	10A
Max discharge Current 最大放电电流	12A	20A	20A
Discharge cut-off voltage 放电截止电压	37V	37V	44.8V
Dimension(L/W/H) 尺寸 (长/宽/高)	255*142*71mm	190*152*175mm	295*190*152mm
Weight 重量	4.2kg	7.0kg	10kg
Housing material 外壳材质	ABS	钣金	钣金

PRODUCT FEATURES

产品特点

- 保护板功能: 过充、过放、过流、短路;
- 通讯功能: CAN、RS485、GPS、蓝牙 (均可定制);
- 充电工作温度范围: 0°C~55°C;
- 放电工作温度范围: -20°C~55°C;
- 证书: CE、UN38.3、UL1973 (Cell)、IEC62619 (Cell);
- Protection board functions: overcharge, over discharge, over current, short circuit.
- Communication functions: CAN, RS485, GPS, Bluetooth (customizable).
- Charging operating temperature range: 0°C~55°C;
- Discharge working temperature range: -20 °C~55 °C;
- Certification: CE、UN38.3、UL1973 (Cell)、IEC62619 (Cell) .



TRICYCLE POWER SUPPLY

三轮车电源



Battery Module 电池型号	KIJO-51.2V40Ah	KIJO-60V80Ah	KIJO-72V100Ah
Internal resistance 内阻	≤100mΩ	≤100mΩ	≤100mΩ
Cycle life 循环寿命	≥2000次	≥2000次	≥2000次
Charging voltage 充电电压	56~58.4V	66~69V	80~83V
Standard Charge 标准充电电流	8A	16A	20A
Max charging current 最大充电电流	20A	40A	50A
Discharge Current 标准放电电流	20A	40A	50A
Max discharge Current 最大放电电流	40A	80A	100A
Discharge cut-off voltage 放电截止电压	40V	47.5V	57.5V
Dimension(L/W/H) 尺寸 (长/宽/高)	可定制	可定制	可定制
Housing material 外壳材质	钣金	钣金	钣金

PRODUCT FEATURES

产品特点

- 保护板功能: 过充、过放、过流、短路;
- 通讯功能: CAN、RS485、GPS、蓝牙 (均可定制);
- 充电工作温度范围: 0°C~55°C;
- 放电工作温度范围: -20°C~55°C;
- 证书: CE、UN38.3、UL1973 (Cell)、IEC62619 (Cell);
- Protection board functions: overcharge, over discharge, over current, short circuit.
- Communication functions: CAN, RS485, GPS, Bluetooth (customizable).
- Charging operating temperature range: 0°C~55°C;
- Discharge working temperature range: -20 °C~55 °C;
- Certification: CE、UN38.3、UL1973 (Cell)、IEC62619 (Cell) .



CLEANING EQUIPMENT POWER SUPPLY

清洁设备电源



Battery Module 电池型号	KIJO-24V100Ah	KIJO-36V200Ah	KIJO-48V200Ah	KIJO-72V150Ah
Internal resistance 内阻	≤20mΩ	≤20mΩ	≤20mΩ	≤20mΩ
Cycle life 循环寿命	≥2000次	≥2000次	≥2000次	≥2000次
Charging voltage 充电电压	28~29.24V	42~43.8V	56~58.4V	80.5~83V
Standard Charge 标准充电电流	20A	40A	40A	30A
Max charging current 最大充电电流	50A	100A	100A	75A
Discharge Current 标准放电电流	50A	100A	100A	75A
Max discharge Current 最大放电电流	100A	200A	200A	150A
Discharge cut-off voltage 放电截止电压	20V	30V	40V	58V
Dimension(L/W/H) 尺寸 (长/宽/高)	350*315*220mm (可定制)	510*510*220mm (可定制)	470*330*220mm (可定制)	850*500*220mm (可定制)
Housing material 外壳材质	钣金	钣金	钣金	钣金
Weight 重量	25kg	70kg	90kg	75kg

PRODUCT FEATURES

产品特点

- 保护板功能: 过充、过放、过流、短路;
- 通讯功能: CAN、RS485、GPS、蓝牙 (均可定制);
- 充电工作温度范围: 0°C~55°C;
- 放电工作温度范围: -20°C~55°C;
- 证书: CE、UN38.3、UL1973 (Cell)、IEC62619 (Cell);
- 充电工作温度范围: 0°C~55°C;
- 放电工作温度范围: -20°C~55°C;
- Protection board functions: overcharge, over discharge, over current, short circuit.
- Communication functions: CAN, RS485, GPS, Bluetooth (customizable).
- Charging operating temperature range: 0°C~55°C;
- Discharge working temperature range: -20 °C~55 °C;
- Certification: CE、UN38.3、UL1973 (Cell)、IEC62619 (Cell) .
- Charging operating temperature range: 0°C~55°C;
- Discharge working temperature range: -20 °C~55 °C;



GOLF CART POWER SUPPLY

高尔夫球车电源



Datasheet 规格参数	KJ 5.1LG	KJ 7.36LG
Battery Module 电池型号	KIJO-51.2V100AH (5.12KWH)	KIJO-73.6V100AH (7.36KWh)
Energy Capacity 电源容量	5.12KWH	7.36KWh
Usable Capacity 可用容量	4.86KWH	6.99KWH
Nominal Voltage 标称电压	51.2V	51.2V
Operating voltage Range 工作电压范围	41.6V--57.6V	41.6V--57.6V
Standard Charge 标准充电电流	50A	50A
Discharge Current 标准放电电流	200A	200A
Dimension(W/D/H) 尺寸 (宽/深/高)	500*343*256.5mm	805*303*251.5mm
Weight 重量	46kg	65kg

PRODUCT FEATURES

产品特点

- 灵活的容量选择:5.12~7.36KWh;
- LiFePO4电池优异的安全性;
- 可定制 ;
- 电池类型:磷酸铁锂 (LFP);
- 监测参数: SOC、系统电压、电流、电池电压、电池温度、PCBA温度测量;
- 通信端口: CAN、RS485;
- 设计寿命: ≥10年;
- 证书: CE、UN38.3、UL1973 (Cell)、IEC62619 (Cell);
- 充电工作温度范围:0°C~55°C;
- 放电工作温度范围:-20°C~55°C;
- Flexible capacity options: :5.12~7.36KWh.
- Excellent safety of LiFePO4 battery;
- Customizable.
- Battery Type:Lithium Iron Phosphate (LFP).
- BMS Monitoring ParametersBMS: SOC, System voltage, current, cell voltage, cell temperature, PCBA temperature measurement.
- Communication Port: CAN、RS485.
- Design Life: ≥10 years.
- Certification: CE、UN38.3、UL1973 (Cell)、IEC62619 (Cell) .
- Charging operating temperature range: 0°C~55°C;
- Discharge working temperature range: - 20 ° C~55 ° C;

