

科麟新能源 KELIN NEW ENERGY

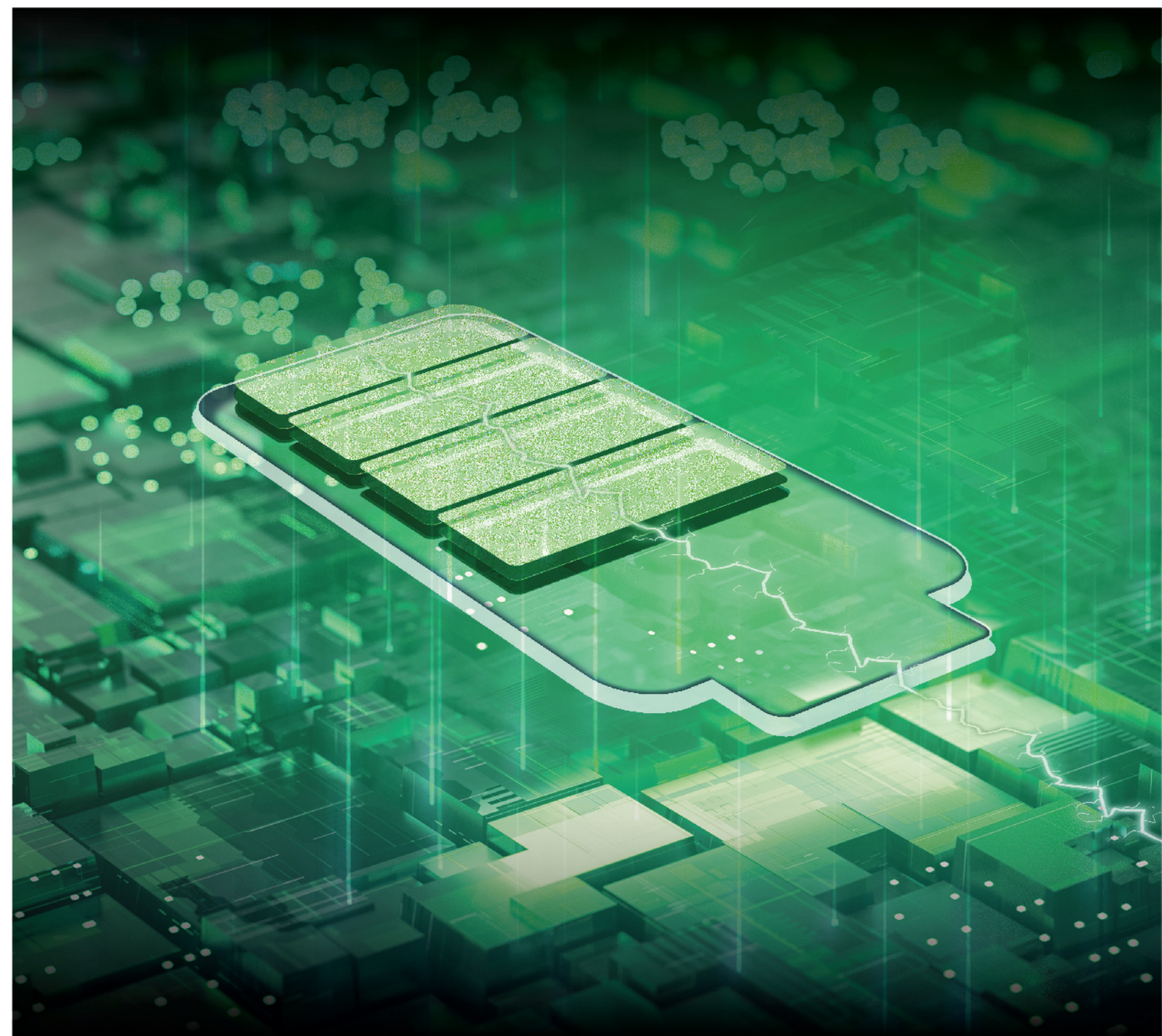
创新科技，引领绿色生活
Innovative technology,
leading green life



Web.: cleanlde.cn

Tel.: 0532-88328882 Fax.: 0532-82302226

Add.: 山东省青岛市平度市蓼兰镇盛兴路 28 号
No.28 Shengxing Road,Liaolan Town,
Pingdu City,Qingdao City,shandong Province





COMPANY INTRODUCTION

青岛科麟新能源科技有限公司坐落于中国东方品牌之都——青岛，团队核心人员从 2009 年开始深耕动力电池研发与生产 12 年，来自中国一汽新能源事业部核心工程师，由吉林大学青岛汽车研究院孵化而成，于 2020 年并入青岛科麟新能源，公司是一家专业开发汽车动力电池包和风、光、储商用系统、民用系统，集自研、自产、自销一体化新能源解决方案的专业公司，产品符合欧标、美标、德标、国标等标准，通过了 TUV、CE、UL、CB、UN38.3、CCC 等认证。雄厚的实力、精良的工艺，过硬的质量、优质的服务，赢得广大合作商一致好评，成为国内外众多知名品牌 OEM/ODM 长期合作伙伴。

公司产品覆盖新能源汽车行业、户外移动电源、家庭及房车储能等多个领域，展现出其多元化的市场布局与强大的市场竞争力。

Qingdao Kelin New Energy Technology Co., Ltd. is located in Qingdao, the brand capital of the East in China. The core team members have been deeply involved in the research and production of power batteries for 12 years since 2009. They are core engineers from the New Energy Business Unit of FAW in China, and were incubated by the Qingdao Automotive Research Institute of Jilin University. In 2020, We were merged into Qingdao Kelin New Energy. The company is a professional company that develops automotive power battery packs, wind, solar, and power storage systems. We integrate self-developed, self-produced, and self sold integrated new energy solutions, and our products meet European, American, German, and national standards. We have passed certifications such as TUV, CE, UL, CB, UN38.3, CCC, etc. With strong strength, excellent craftsmanship, quality and service, we have won unanimous praise from our partners and become long-term partners of many well-known OEM/ODM brands both domestically and internationally.

The company specializes in multiple fields such as the new energy vehicle industry, outdoor portable power station, home and RV energy storage, showing our diversified market layout and strong market competitiveness.



户外移动电源生产线 Portable Power Station Production Line



每一个环节都经过严格的质量控制与精细的技术打造，产品从电芯分选、焊接、组装，从测试到包装，每一步都凝聚这工匠的精神与科技智慧，为每一位用户带来性能卓越、安全可靠的便携式户外移动电源。

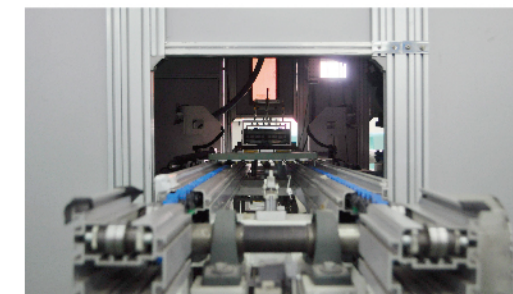
Every link has gone through strict quality control and fine technology to create, products from cell sorting, welding, assembly, from testing to packaging, each step has condensed the spirit of the craftsman and scientific and technological wisdom, for every user to bring excellent performance, safe and reliable portable outdoor mobile power.



24V 起动电源生产线 24V Li-ion Starting Battery Production Line

高效稳定，精准控制，每一颗电池都是精工细作，产品安全可靠，多重保护机制守护，环保节能，绿色生产从我做起。

Efficient and stable, precise control, every battery is seiko, product safety and reliability, multiple protection mechanism guardian, environmental protection and energy saving, green production starts from me.



在设备的加持下，我们对每一个细节都不放过，对每一次检测都精益求精。是您对卓越品质承诺的坚实后盾。

With the blessing of the equipment, we do not let go of every detail, and strive for excellence in every test. It is a solid backing for your commitment to excellent quality.



24V

锂离子启动电源

24V LITHIUM ION STARTING POWER SUPPLY



既可启动发动机，还可兼容驻车电源功能。
It can start the engine and be compatible with the parking power supply function.

项目 Item	电芯 cell
电芯类型 Cell type	三元锂（NCM） Ternary lithium（NCM）
额定容量（Ah） Rated capacity（Ah）	228
电池电量（Kwh） Battery level（Kwh）	5.9
额定功率（Kw） Rated power（Kw）	3.5
串并联数 Series-parallel number	2P7S
标称电压（V） Nominal voltage（V）	26.18
工作电压范围（V） Operating voltage range（V）	20.3-30.1
室温放电电流（连续）（A） Discharge Current at Room Temperature (continuous)（A）	150
室温最大放电电流（50%SOC,10s）（A） Max. Discharge Current at Room Temperature（50%SOC,10s）（A）	1000
室温充电电流（连续）（A） Charging Current at Room Temperature (continuous)（A）	150
室温最大充电电流（50%SOC,10s）（A） Max. charging Current at Room Temperature（50%SOC,10s）（A）	300
工作温度范围 Operating temperature range	放电：-30℃-55℃ 充电：-20℃-55℃ Discharge：-30℃-55℃ Charging：-20℃-55℃

- 

智能冷启动
Intelligent cold start
- 

超强防护
Super protection
- 

远程监控
Remote monitoring
- 

智能管理
Intelligent management
- 

超长寿命
Ultra-long life
- 

原车替换
Replacement of original vehicle

KELINNU

	锂离子启动电池 Lithium-ion starting battery	VS	普通铅酸电池启动电池 Ordinary lead-acid battery Starting battery
环境友好 Environmentally friendly	好 good		差 bad
循环寿命 Cycle life	1500-2000次, 衰减小 1500-2000 times, low attenuation		120-180次, 衰减严重 120-180 times, severe attenuation
放电性能 Discharge performance	3C-5C, 1000A-2000A, 无记忆性 3C-5C, 1000A-2000A, memorylessness		5C, 1000A, 有记忆性 5C, 1000A, memorability
驻车空调使用时间 Car air conditioning use time	8-10小时 8-10h		2-3小时 2-3h
低温性能 Low temperature performance	-40℃ -40℃		无加热系统, 低温启动性能略差 No heating system, low temperature starting performance is slightly poor
安全性能 Safety performance	新型电池管理系统, 安全性好 New battery management system, good safety		无电池管理系统, 比能量低, 安全性好 No battery management system, low Specific energy, good safety
比能量 Wh/Kg Specific energy Wh/Kg	120Wh/Kg, 单个电池重量轻 120Wh/Kg, Individual batteries are lightweight		40Wh/Kg, 单个电池重量重 40Wh/Kg, Individual batteries are heavy
质保年限 Warranty period	五年, 是铅酸的五倍 Five years. Five times longer than leadacid		一年 One year
年评价使用价格 Annual evaluation use price	低 low		高 high
售后空间 After-sales Service	免维护, 售后好 Maintenance-free, good after-sales		免维护, 无售后 Maintenance-free, no after-sales

更持久、更强力、更环保
Longer lasting, stronger and more environmentally friendly



1KW | 户外移动电源 (1024Wh)

PORTABLE POWER STATION

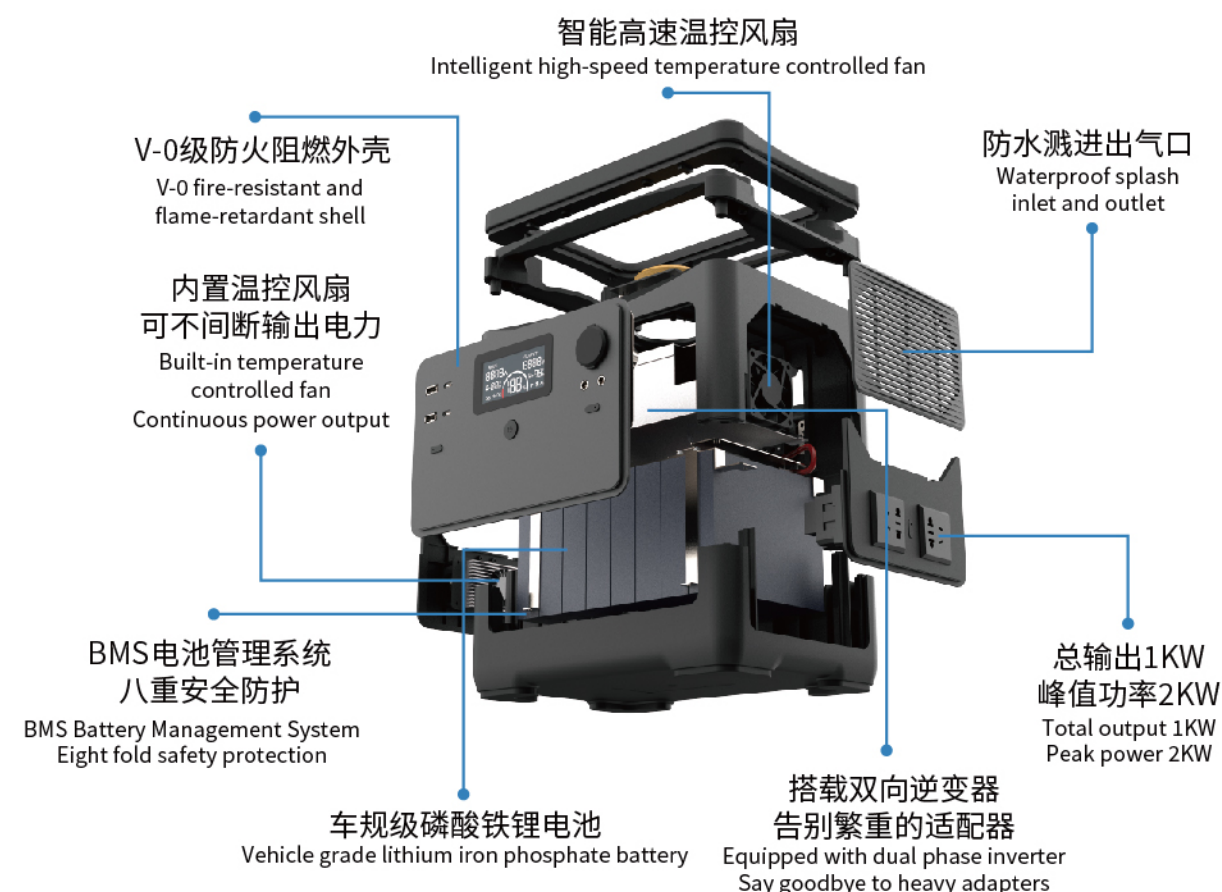
KELINNU



产品功率 product name	1KW户外电源 1KW Outdoor power supply
电池容量 Battery capacity	1024Wh
多机并联 Multi machine parallel connection	功率、容量倍增 (至高可并10台机) Power and capacity doubling (up to 10 units can be combined)
交流输出 AC output	额定功率1KW 峰值功率2KW Rated power 1000W peak power 2000W AC*2个 总输出 1KW AC*2 total output 1000W
直流输出 DC Output	USB: 22.5W*2 TYPE-C: 100W*1 60W*1 DC5521: 60W*2 CIG: 120W*1
无线输出 Wireless output	15W*1
照明 lighting	9W LED*2
充电参数 Charging parameters	市电充电: 700W MAX Mains electricity charging: 700W MAX 行车充电: 12V10A 120W MAX Car charging: 12V10A 120W MAX 太阳能板充电: 10A MAX Solar panel charging: 10A MAX
工作温度 operation temperature	放电温度: -20°C-45°C discharge temperature: -20°C-45°C 充电温度: -20°C-45°C Charge Temperature: -20°C-45°C
产品材质 Material	ABS+PC
产品重量 Product weight	9KG
产品尺寸 Product dimension	31X21.4X27.7CM

支持所有国家标准输出接口

Supports all national standard output interfaces



用电无忧

Worry-free electricity usage



15W 无线快充

15W wireless fast charge



灵活充电

Flexible charging



多机并联

Multi-pack parallel



双向逆变
疾速补能

Bidirectional Inverter,
fast energy replenishment



2 小时充满
1.5 小时 80%

2 hours full,
1.5 hours 80%



充电只需
一根线

Charging requires only
one cable



便捷设计
轻快出行

Convenient design
for lightweight travel



主动冷却
持续输出

Active cooling and
Continuous output

1KW | 户外移动电源 (1008Wh)

PORTABLE POWER STATION

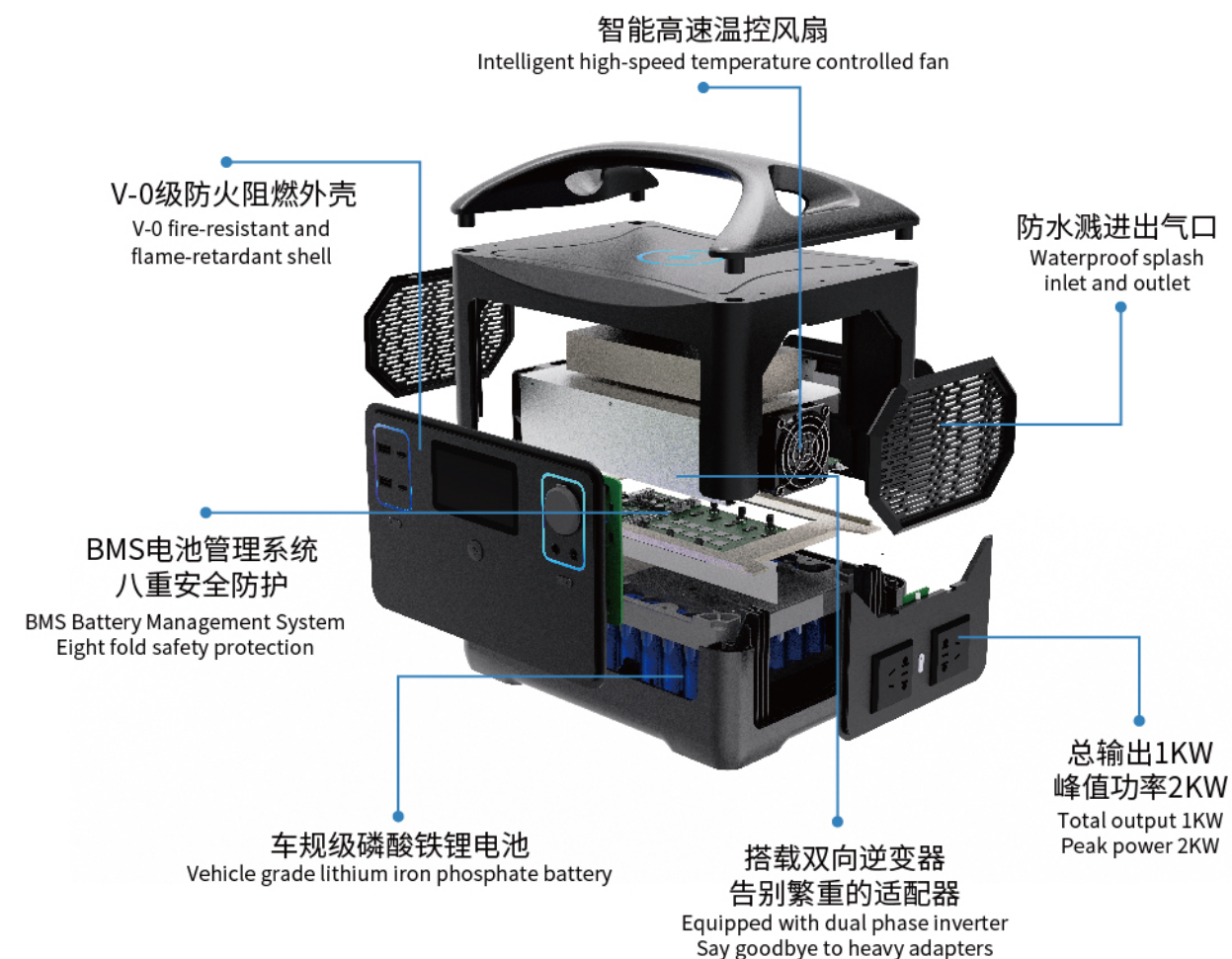
KELINNU



产品功率 product name	1KW户外电源 1KW Outdoor power supply
电池容量 Battery capacity	1008Wh
多机并联 Multi machine parallel connection	功率、容量倍增 (至高可并10台机) Power and capacity doubling (up to 10 units can be combined)
交流输出 AC output	额定功率1KW 峰值功率2KW Rated power 1000W peak power 2000W AC*2个 总输出 1KW AC*2 total output 1000W
直流输出 DC Output	USB: 22.5W*2 TYPE-C: 100W*1 60W*1 DC5521: 60W*2 CIG: 120W*1
无线输出 Wireless output	15W*1
照明 lighting	5W LED*2
充电参数 Charging parameters	市电充电: 700W MAX Mains electricity charging: 700W MAX 行车充电: 12V10A 120W MAX Car charging: 12V10A 120W MAX 太阳能板充电: 15A 500W MAX Solar panel charging: 15A 500W MAX
工作温度 operation temperature	放电温度: -20°C-45°C discharge temperature: -20°C-45°C 充电温度: -20°C-45°C Charge Temperature: -20°C-45°C
产品材质 Material	ABS+PC
产品重量 Product weight	9KG
产品尺寸 Product dimension	30X21.4X28.2CM

支持所有国家标准输出接口

Supports all national standard output interfaces



用电无忧

Worry-free electricity usage



15W 无线快充

15W wireless fast charge



灵活充电

Flexible charging



多机并联

Multi-pack parallel



双向逆变
疾速补能

Bidirectional Inverter,
fast energy replenishment



2 小时充满
1.5 小时 80%

2 hours full,
1.5 hours 80%



充电只需
一根线

Charging requires only
one cable



便捷设计
轻快出行

Convenient design
for lightweight travel



主动冷却
持续输出

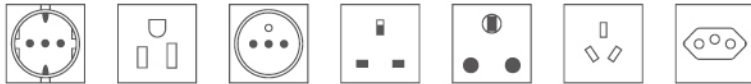
Active cooling and
Continuous output

2KW | 户外移动电源 (1536Wh)
PORTABLE POWER STATION



产品功率 product name	2KW户外电源 2KW Outdoor power supply
电池容量 Battery capacity	1536Wh
多机并联 Multi machine parallel connection	功率、容量倍增 (至高可并10台机) Power and capacity doubling (up to 10 units can be combined)
交流输出 AC output	额定功率2KW 峰值功率4KW Rated power 2000W peak power 4000W AC*4个 总输出 2KW AC*4 total output 2000W
直流输出 DC Output	USB: 22.5W*2 TYPE-C: 100W*1 60W*1 DC5521: 60W*2 CIG: 120W*1
无线输出 Wireless output	15W*1
充电参数 Charging parameters	市电充电: 2000W MAX Mains electricity charging:2000W MAX 行车充电: 12V10A 120W MAX Car charging: 12V10A 120W MAX 太阳能板充电: 15A 600W MAX Solar panel charging: 15A 600W MAX
工作温度 operation temperature	放电温度: -20°C-45°C discharge temperature: -20°C-45°C 充电温度: -20°C-45°C Charge Temperature: -20°C-45°C
产品材质 Material	ABS+PC
产品重量 Product weight	16.85KG
产品尺寸 Product dimension	32.5X24X26.5CM

支持所有国家标准输出接口
Supports all national standard output interfaces



KELINNU

双重智能温控散热风扇
Intelligent high-speed
temperature controlled fan

汽车级铝合金外框
Car grade aluminum alloy frame

V-0级防火阻燃外壳
V-0 fire-resistant and flame-retardant shell

汽车动力级电芯
循环寿命长 容量不虚标
Automotive power grade battery cells
Long cycle life, no false labeling of capacity

BMS智能电池管理系统
八重安全防护
BMS Intelligent Battery Management System
Eight fold safety protection



用电无忧
Worry-free electricity usage



15W 无线快充
15W wireless fast charge



灵活充电
Flexible charging



多机并联
Multi-pack parallel



双向逆变
疾速补能
Bidirectional Inverter,
fast energy replenishment



2 小时充满
1.5 小时 80%
2 hours full,
1.5 hours 80%



充电只需
一根线
Charging requires only
one cable



便捷设计
轻快出行
Convenient design
for lightweight travel



主动冷却
持续输出
Active cooling and
Continuous output

2KW | 户外移动电源 (2000Wh)

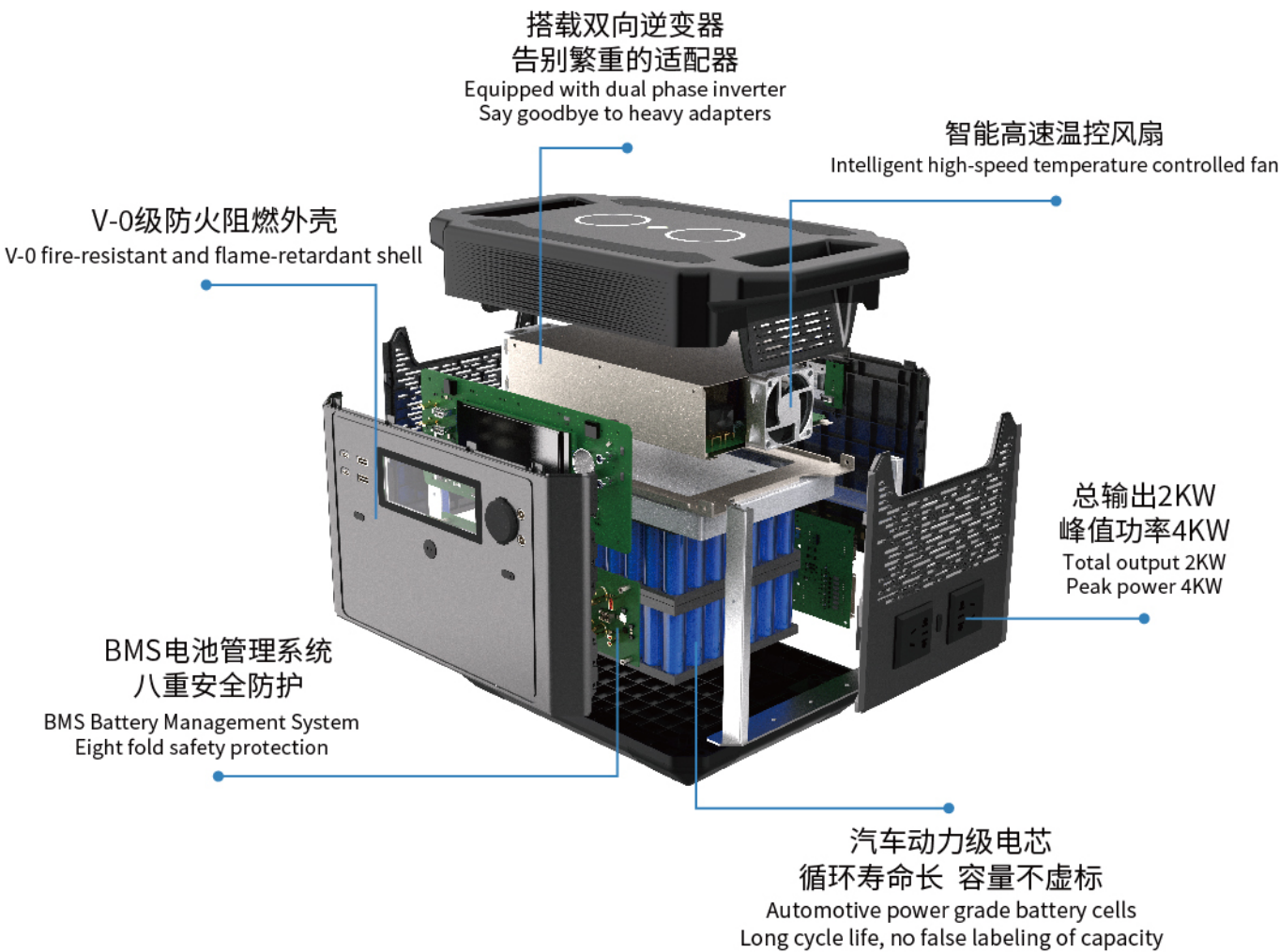
PORTABLE POWER STATION

KELINNU



产品功率 product name	2KW户外电源 2KW Outdoor power supply
电池容量 Battery capacity	2000Wh
多机并联 Multi machine parallel connection	功率、容量倍增 (至高可并10台机) Power and capacity doubling (up to 10 units can be combined)
交流输出 AC output	额定功率2400W 峰值功率4800KW Rated power 2400W peak power 4800W AC*4个 总输出 2400W AC*4 total output 2400W
直流输出 DC Output	USB: 22.5W*2 TYPE-C: 100W*2 DC5521: 12.6V5A*2 CIG: 120W*1
无线输出 Wireless output	15W*1
充电参数 Charging parameters	市电充电: 2000W MAX Mains electricity charging:2000W MAX 行车充电: 12V10A 120W MAX Car charging: 12V10A 120W MAX 太阳能板充电: 15A 600W MAX Solar panel charging: 15A 600W MAX
工作温度 operation temperature	放电温度: -20°C-45°C discharge temperature: -20°C-45°C 充电温度: -20°C-45°C Charge Temperature: -20°C-45°C
产品材质 Material	ABS+PC
产品重量 Product weight	16.5KG
产品尺寸 Product dimension	41.6X27X28.2CM

支持所有国家标准输出接口
Supports all national standard output interfaces



48V

全场景电源系统

48V POWER SYSTEM FOR ALL SCENARIOS



智控五合一充逆机

INTELLIGENT CONTROL 5-IN-1 CHARGER



输出规格 Output specification

交流主输出 Ac main output	纯正弦波最大5000W（峰值10000W，100ms），220V，50HZ Maximum 5000W pure sine wave (peak 10000W, 100ms), 220V, 50HZ 220V 20A
直流输出 Dc output	13.6V50A，最大功率680W 13.6V50A, Max power 680W 26.4V30A，最大功率800W 26.4V30A, Max power 800W

输入规格 Input specification

交流输入功率 Ac input power	最大功率3000W，最大电流15A Maximum power 3000W, maximum current 15A
交流输入电压 Ac input voltage	220-240V 50HZ
行车发电机充电输入接口 Car generator charging input interface	13-60V 50A 最大功率1200W 13-60V 50A Maximum power 1200W
太阳能充电输入接口 Solar charging input interface	60-120V 60A 最大功率3500W 60-120V 60A Maximum power 3500W
电池接口 (X3) Battery interface (X3)	40-60V 100A支持最多3个5120Wh电池包 40-60V 100A Supports up to three 5120Wh battery packs

电池环境温度 Battery ambient temperature

充电温度 Charging temperature	-25°C-60°C
放电温度 Discharge temperature	-25°C-60°C
储存温度 Storage temperature	-25°C-60°C



损耗小 轻量化
Small loss Light weight



充电速度更快
Faster charging



发热少 更安全
Less heat More secure



多功能充电
Multi-function charging

KELINNU

智能配电盒

INTELLIGENT DISTRIBUTION BOX



输出规格 Output specification

交流输出 Ac output	6路每路最大输出电10A 220-240V，50Hz The maximum output power of each circuit is 10A 220-240V, 50Hz
直流输出 Dc output	6路可控+6路不可控每路最大输出电流20A 10-30VDC 6 channels controllable +6 channels uncontrollable Maximum output current 20A 10-30VDC per channel

使用环境 Usage environment

使用温度 Operating temperature	-25°C-60°C
储存温度 Storage temperature	-25°C-60°C

48V 磷酸铁锂电池包

48V LITHIUM IRON PHOSPHATE BATTERY PACK



产品信息 Product information

标称容量 Nominal capacity	5120Wh (50Ah)
标称电压 Nominal voltage	51.2V
电芯体系 Cell system	LFP磷酸铁电池 LFP iron phosphate battery
循环寿命 Cycle life	3500次循环剩余容量80% 80% remaining capacity after 3500 cycles
IP等级 IP level	IP54

运行温度 Operating temperature

充电温度 Charging temperature	-20°C-50°C (0°C以下充电自动加热) (Automatic heating for charging below 0°C)
放电温度 Discharge temperature	-20°C-50°C
储存温度 Storage temperature	-20°C-50°C (15°C-25°C最佳) (15°C-25°C is the best)

5KW | 家用储能电池组

HOME ENERGY STORAGE BATTERY PACK



产品名称 product name	5000W-48-16-100AH
电池容量 Battery capacity	5000Wh (一层) X6 5000Wh (first layer) X6
主机并联 Host parallel	5KW*2=10KW (最高可并两台主机) 5KW*2=10KW (up to two hosts)
BMS并联 BMS parallel	5KWh*6=30KWh (电池组最高并联6组) 5KWh*6=30KWh (maximum 6 parallel battery packs)
交流输出 Ac output	ACOUT 5000W AC*2 总输出5000W AC*2 Total output 5000W
交流输入 Ac input	ACIN 4KW
直流输入 Dc input	MPPT 3.6KW
工作温度 Operating temperature	放电温度: -20°C-45°C Discharge temperature: -20°C-45°C 充电温度: -20°C-45°C Charging temperature: -20°C-45°C
产品重量 Product weight	主机: 15KG Host: 15KG 电池组: 35KG Battery pack: 35KG 底座: 5KG Base: 5KG
产品尺寸 Product size	主机: 60*42*16CM Host: 60*42*16CM 电池组: 60*42*14.5CM Battery pack: 60*42*14.5CM 底座: 60*42*6.4CM Base: 60*42*6.4CM
产品质保 Product warranty	2年 Two years

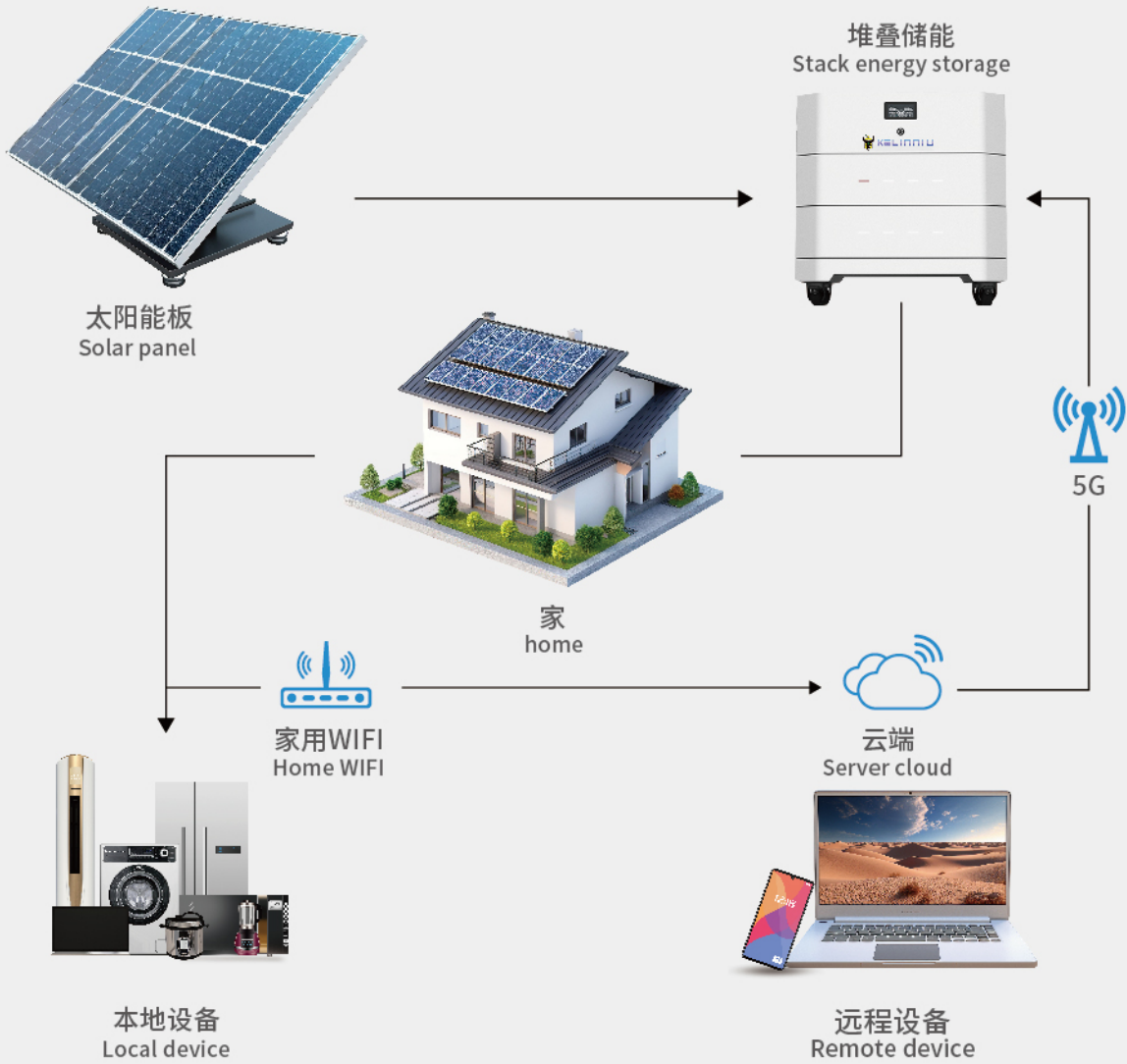
支持所有国家标准输出接口

Supports all national standard output interfaces



模块化设计 便于增补扩容

MODULAR DESIGN FACILITATES EXPANSION



12V | 储能电池组

ENERGY STORAGE BATTERY

12V 储能电池组采用价值最高的 LiFePO4 电池，BMS 系统由 KELIN 独立设计。IP65 防护，支持串并联使用，产品应用于电动船、游艇、高尔夫球车、房车储能、光伏储能、家庭储能等适合各种不同的应用场景。

The 12V energy storage battery pack uses the highest value LiFePO4 battery, and the BMS system is independently designed by KELIN. IP65 protection, support series parallel use, products are used in electric boats, yachts, golf carts, RV energy storage, photovoltaic energy storage, home energy storage, suitable for a variety of different application scenarios.



产品名称 product name	E12-105
电池容量 Battery capacity	105Ah
额定充电电流 Rated charging current	50A
最大充电电流 Maximum charging current	100A
额定放电电流 Rated discharge current	100A
产品重量 Product weight	11.0kg
产品尺寸 Product size	330*171*220mm

- 

更安全
Safer
- 

更轻盈
Lighter
- 

更环保
More environmentally friendly
- 

寿命更长
Longer life
- 

智能平衡
Intelligent balance

产品名称 product name	E12-150
电池容量 Battery capacity	150Ah
额定充电电流 Rated charging current	75A
最大充电电流 Maximum charging current	150A
额定放电电流 Rated discharge current	150A
产品重量 Product weight	15.5kg
产品尺寸 Product size	370*172*220mm

- 

更安全
Safer
- 

更轻盈
Lighter
- 

更环保
More environmentally friendly
- 

寿命更长
Longer life
- 

智能平衡
Intelligent balance



产品名称 product name	E12-200
电池容量 Battery capacity	200Ah
额定充电电流 Rated charging current	100A
最大充电电流 Maximum charging current	200A
额定放电电流 Rated discharge current	200A
产品重量 Product weight	20.5kg
产品尺寸 Product size	522*238*223mm

- 

更安全
Safer
- 

更轻盈
Lighter
- 

更环保
More environmentally friendly
- 

寿命更长
Longer life
- 

智能平衡
Intelligent balance

48V | 储能电池组

ENERGY STORAGE BATTERY

我们的储能系统使用了磷酸铁锂电池，并在 BMS 智能控制下运作。主要用于储存太阳能光伏板、电网或其他可再生能源产生的电力。它们提供了一种在低使用量或能源不足时储存多余能源的方法，并在需要时（如高峰时段或停电时）将其放电。我们为您的家庭供电提供了一种可靠且持久的绿色能源解决方案。

Our energy storage system uses lithium iron phosphate batteries and operates under the intelligent control of BMS. It is mainly used to store electricity generated by solar photovoltaic panels, the grid or other renewable energy sources. They provide a way to store excess energy during times of low usage or insufficient energy and discharge it when needed, such as during peak hours or power outages. We provide a reliable and long-lasting green energy solution to power your home.



产品名称 product name	K48-100
电池类型 Battery type	磷酸铁锂 LiFePO4
能量 Energy	4800Wh
容量 Capacity	100Ah
标准充电电流 Standard charging current	50A
最大充电电流 Maximum charging current	100A
最大放电电流 Maximum discharge current	100A
循环寿命 Cycle life	4000次/5年 4000 times /5 years
电芯串并联 Cells in series and parallel	15串 15 series
防护等级 Class of protection	IP65
产品重量 Product weight	39.0kg
产品尺寸 Product size	522*238*223 mm
通讯路数 Communication path	CAN/RS485/RS232

- 

更安全
Safer
- 

更轻盈
Lighter
- 

更环保
More environmentally friendly
- 

寿命更长
Longer life
- 

智能平衡
Intelligent balance

51.2V | 家用储能系统

HOME ENERGY STORAGE SYSTEM



产品名称 product name	K51.2-100
电池类型 Battery type	磷酸铁锂 LiFePO4
能量 Energy	5120Wh
容量 Capacity	100Ah
标准充电电流 Standard charging current	50A
最大充电电流 Maximum charging current	100A
最大放电电流 Maximum discharge current	100A
循环寿命 Cycle life	4000次/5年 4000 times /5 years
电芯串并联 Cells in series and parallel	16串 16 series
防护等级 Class of protection	IP65
产品重量 Product weight	46.3kg
产品尺寸 Product size	635.4*424.1*191.5mm

- 

更安全
Safer
- 

易安装
Easy to install
- 

智能管理
Intelligent management
- 

高循环
High cycle
- 

多机并联
Multi-pack parallel

