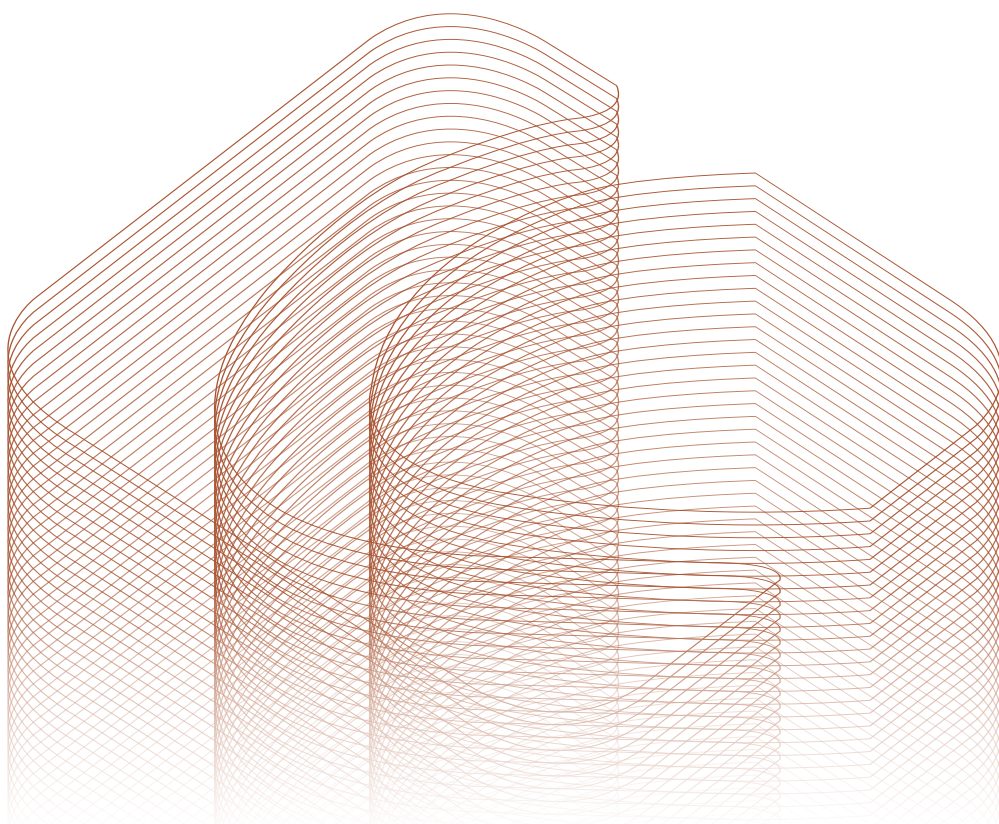




家庭堆叠式 储能系列

HOUSEHOLD STACKABLE ENERGY
STORAGE SERIES

6-30kWh



产品特点 >>>

Product Features



- 灵活扩展电池容量
Flexibly expand the battery capacity
- 安全稳定, 系统24小时智能监控
Safe and stable, with 24/7 intelligent system monitoring
- 根据偏好, 灵活设置多种工作模式
Flexibly configure multiple operating modes based on preferences
- IP66防护等级, 防水防尘, 电涌工艺防氧化
IP66 protection rating, waterproof and dustproof, with anti-oxidation surge protection technology
- 可堆叠模块化设计, 灵活多变, 外观简洁新颖
Stackable modular design offers flexibility, with a simple and innovative appearance
- 模块即插即用, 自动识别模块数量, 数字化系统
Modules are plug - and - play. The system can automatically identify the number of modules, featuring a digitalized setup
- 应急模式可无缝切换, 负载不掉电
Emergency mode can be switched seamlessly to ensure the load remains powered

规格参数 >>>

Specification

系统参数/System Parameters

| | | | | | |
|---|---|--------------|--------------|--------------|--------------|
| 电池模块数量 Number of battery modules | 1 | 2 | 3 | 4 | 5 |
| 电池容量 Battery capacity | 6.09kWh | 12.18kWh | 18.27kWh | 24.36kWh | 30.45kWh |
| 尺寸(mm) Dimensions | 600*855*380 | 600*1150*380 | 600*1445*380 | 600*1740*380 | 600*2035*380 |
| 含逆变器重量(kg) Including inverter weight | 98 | 153 | 208 | 263 | 318 |
| 噪音/Noise | <25dB | | | | |
| 冷却方式/Cooling method | 自然冷却/natural cooling | | | | |
| 最大海拔高度/Maximum altitude | 4000m | | | | |
| 运行温度范围/Operating temperature range | -20°C~+58°C | | | | |
| 运行湿度范围/Operating humidity range | 0~100%RH(无凝结)/0~100%RH(No condensation) | | | | |
| 显示方式/Display method | LED/APP | | | | |
| 安装方式/Installation method | 落地式/Floor - standing type | | | | |

电池模组参数/Battery Module Parameters

| | |
|--|--|
| 电芯技术/Cell technology | LiFePO4 |
| 能量容量/Energy capacity | 6.09kWh |
| 可并机数量/Number of parallel - connectable units | 5 |
| 可拓展容量范围/Expandable capacity range | 6.09kWh~30.35kWh |
| 放电深度/Depth of Discharge | Max. 100 % DOD(可调)/Max. 100 % DOD(adjustable) |
| 最大充电功率/Maximum charging power | 6KW |
| 最大放电功率/Maximum discharging power | 6KW |

| | |
|------------------------------------|---|
| 最大充电电流/Maximum charging current | 100A |
| 最大放电电流/Maximum discharging current | 100A |
| 工作温度/Operating temperature | -20°C~+58°C |
| 湿度范围/Humidity range | 0~100%RH(无冷凝)/0~100%RH(No condensation) |
| 通讯接口/Communication interface | 485 and CAN |
| 连接方式/Connection method | 落地式/Floor - standing type |
| IP等级/IP rating | IP66 |
| 标准/Standard | IEC 62619,IEC 60730,UN 38.3,IEC 62040-1,ROHS2.0,VDE 2510-50 |

逆变器参数/Inverter Parameters

PV输入参数/PV Input Parameters

| | |
|--|------------|
| PV最大输入功率/Maximum PV input power | 8000W |
| PV最大开路电压/Maximum PV open - circuit voltage | 550Vdc |
| PV额定输入电压/Rated PV input voltage | 360Vdc |
| PV启动电压/PV startup voltage | 100Vdc |
| PV最低工作电压/Minimum PV operating voltage | 150Vdc |
| MPPT工作电压范围/MPPT operating voltage range | 100~540Vdc |
| PV最大输入电流/Maximum PV input current | 16A/16A |
| PV最大短路电流/Maximum PV short - circuit current | 24A/24A |
| 独立Mppt数量/Number of independent MPPTs | 2 |
| 每个Mppt的输入串数/Number of input strings per MPPT | 1+1 |

电池输入参数/Battery Input Parameters

| | |
|------------------------------------|---------------------|
| 电池类型/Battery type | 锂电池/lithium battery |
| 电池电压范围/Battery voltage range | 42~58Vdc |
| 最大充电电流/Maximum charging current | 100A |
| 最大放电电流/Maximum discharging current | 120A |

充电曲线/Charging curve

3 阶段/均衡/3 stages / equalization

锂电池充电策略/Lithium - battery charging strategy

BMS自适应/BMSadaptive

交流输入参数(电网)/AC Input Parameters (Grid-connected)

电网类型/Grid type

单相/single - phase

输入电压范围/Input voltage range

184~276Vac

输入频率范围/Input frequency range

50±5Hz/60±5HZ

最大输入电流/Maximum input current

40A

交流输出参数(电网)/AC Output Parameters (Grid)

额定输出功率/Rated output power

6000W

最大输出功率/Maximum output power

6000VA

电网系统模式/Grid system mode

1/N/PE

额定输出电压/Rated output voltage

220Vac/230Vac

额定输出频率/Rated output frequency

50Hz/60Hz

额定输出电流/Rated output current

27.3A/26.1A

最大输出电流/Maximum output current

27.3A

功率因素/Power factor

>0.99(0.8超前~0.8滞后)/>0.99(0.8 leading - 0.8 lagging)

总电流谐波/Total current harmonic

≤3%(额定功率)/≤3%(Rated power)

交流输出参数(后备负载)/ AC Output Parameters (Backup Load)

额定输出功率/Rated output power

6000W

最大视在输出功率/Maximum apparent output power

6000VA

输出系统模式/Output system mode

1/N/PE

额定输出电压/Rated output voltage

230Vac(208/220/240Vac settable)

额定输出频率/Rated output frequency

50Hz/60Hz

额定输出电流@/230VRated output current @ 230V

26.1A

最大输出电流/Maximum output current

28.8A

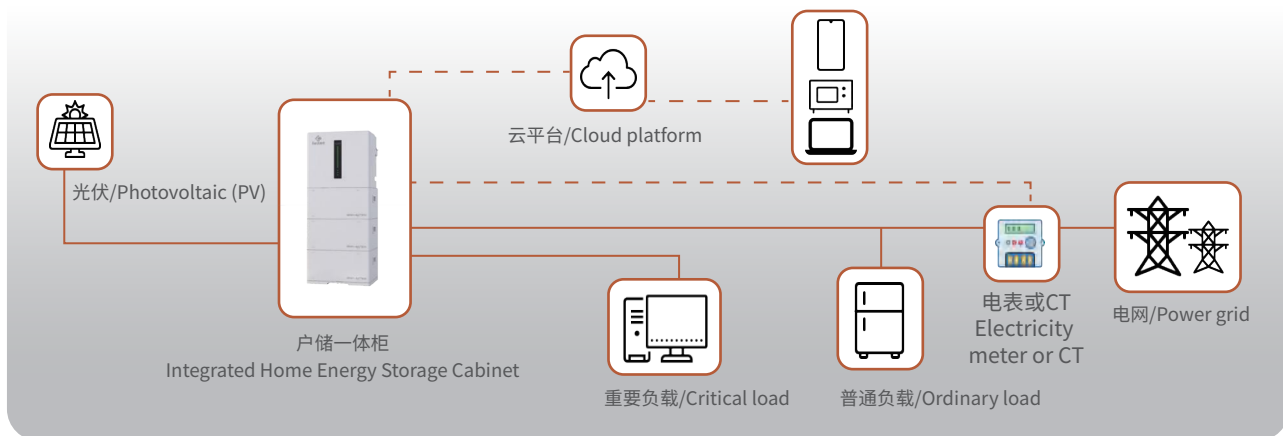
电压谐波/Voltage harmonic

≤3%(线性负载)/≤3%(linear load)

| | |
|------------------------------------|--|
| 切换时间/Switching time | ≤20ms |
| 效率/Efficiency | |
| MPPT效率/MPPT efficiency | 97.8% |
| MPPT效率/MPPT efficiency | 99.9% |
| 保护/Protection | |
| 综合/Comprehensive | <p>电网过欠压保护、电网过欠频保护、电网过载保护、过温保护、防孤岛保护、绝缘电阻检测、剩余电流监测单元、输出过电流保护、输出短路保护、浪涌保护</p> <p>Power grid overvoltage and undervoltage protection, power grid overvoltage and underfrequency protection, power grid overload protection, over-temperature protectionAnti-island protection, insulation resistance detection, residual current monitoring unit, output overcurrent protection Output short-circuit protection and surge protection</p> |
| 浪涌保护/Surge protection | DC Type IVAC Type III |
| 标准/standard | |
| 安规/Safety regulations | IEC/EN 62109-11-2,AS62109 |
| EMC | EN 61000-6-1/-2/3/-4 |
| 并网/Grid connection | CEI0-21,DIN VDE V 0124-100:2020,VDE-AR-N 4105:2018, AS4777.2,NRS097-2-1,EN 50549-1 |
| 其他/Others | |
| 拓扑/Topology | 高频隔离(对电池)/High - frequency isolation (for batteries) |
| IP防护等级/IP protection rating | IP66 |
| 运行温度范围/Operating temperature range | -25~60°C(>45°C降额)/-25~60°C(>45°Cderating) |
| 冷却方式/Cooling method | 自然冷却/natural cooling |
| 最大海拔高度/Maximum altitude | 4000m |
| 噪音/Noise | <25dB |
| 安装方式/Installation method | 落地堆叠式/Floor - standing stackable type |
| 尺寸/Dimensions | 600mm * 530mm * 305mm |
| 重量 (kg) /Weight | 36.4 |

系统框图

System Diagram



应用场景

APPLICATION SCENARIO



公司

Company



通讯基站

Communication base station



偏远山区

Remote mountainous areas



农户养殖

Farming areas



偏远山区

Remote pastoral areas



渔场养殖

Aquaculture areas



家庭

Family



别墅充电区

Villa charging areas



户外充电区

Outdoor charging areas



公众号
WeChat Official Account




抖音
Tiktok



视频号
WeChat Video Account

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