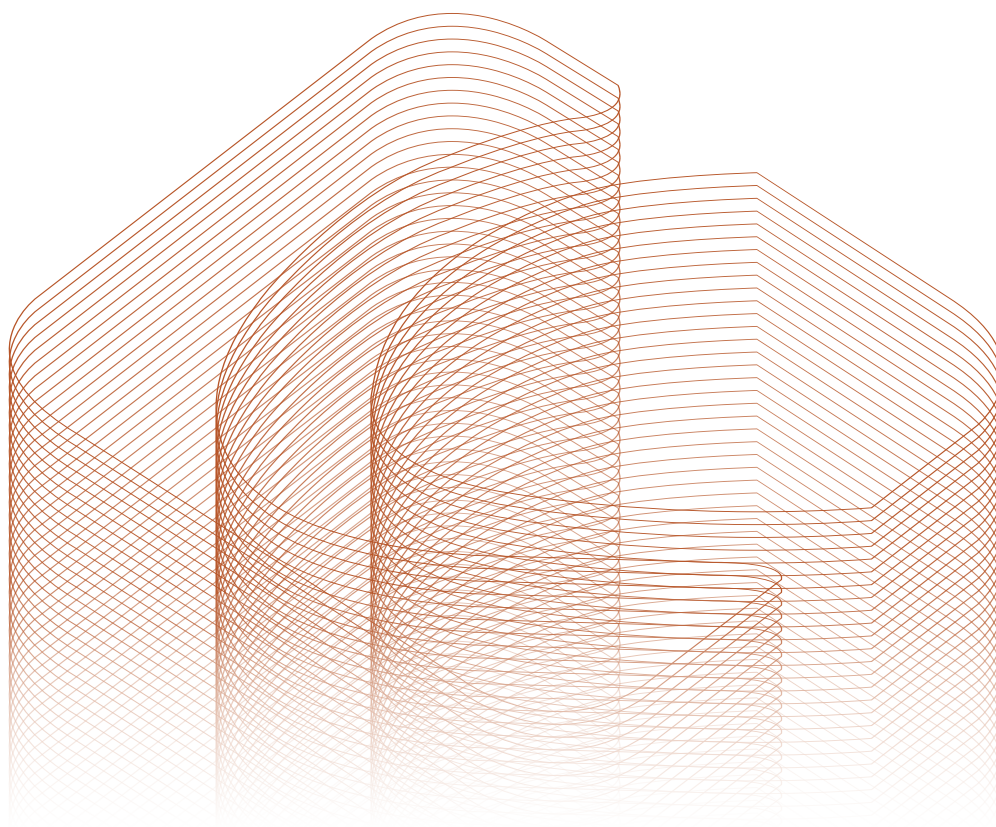




户储一体柜 系列

INTEGRATED HOME ENERGY
STORAGE SYSTEM

45kWh



产品外观 >>>

Appearance



急停按钮
Emergency stop button

门锁
Door lock

逆变器20kW*1 (含在内侧)
Inverter 20kW×1 (Internally contained)

可拆卸叉托孔
Detachable forklift hole

产品特点 >>>

Product Features



1 系统/System

- 模块化设计, 系统集成密度高
Modular design with high system integration density
- 储能+双向逆变器一体化设计
Integrated design of energy storage and bidirectional inverter
- 时尚外观设计, 科技感十足
Fashionable appearance design, full of a sense of technology

2 智能/Intelligence

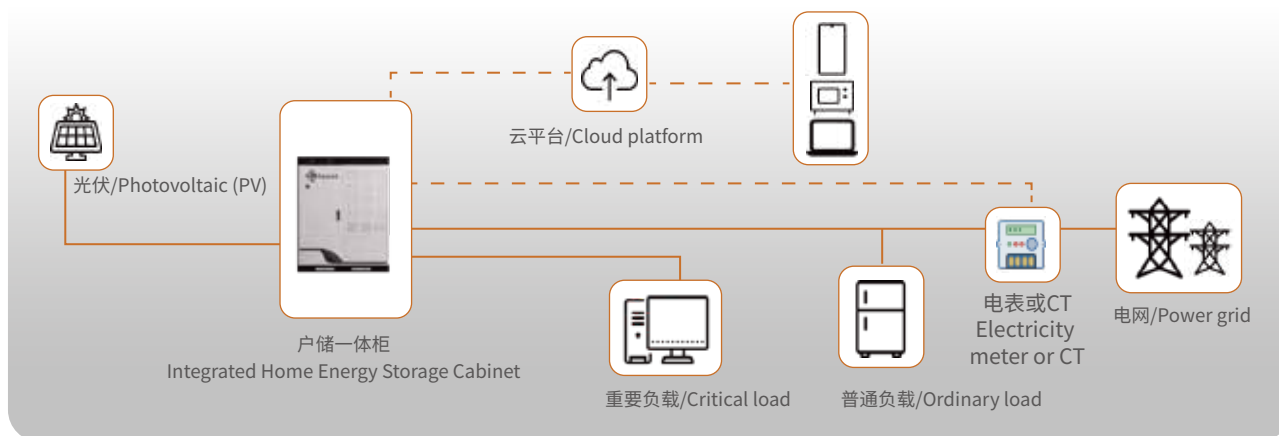
- 多点实时监控, 自适应SOC管理
Multi-point real-time monitoring and adaptive State of Charge (SOC) management
- 汽车级电池管理, 主动充放电均衡
Automotive-grade battery management with active charge
- 并网/离网智能切换, WIFI蓝牙APP监控
Grid-connected/off-grid intelligent switching, WIFI Bluetooth

3 安全/Safety

- 物理电气双重隔离
Physical and electrical dual isolation.
- 高安全磷酸铁锂电芯
High-safety lithium iron phosphate battery cells
- AFCI和RSD功能集成
Integration of AFCI (Arc-Fault Circuit Interrupter) and RSD (Rapid Shutdown Device) functions.

► 系统框图

System Diagram



规格参数 >>>

Specification

型号/Model	LCA450E45KP30K
电池类型/Battery type	方形磷酸铁锂电芯 Prismatic lithium iron phosphate battery cell
电池包配置/Battery pack configuration	119Ah*1P24S
电池包数量/The number of battery packs	5
电池柜额定容量/Rated capacity of the battery cabinet	45kWh
工作电压范围/Operating voltage range	336V-438V
标称电压/Nominal voltage	384V
并网侧参数/Grid-connected-Side Parameters	
交流额定功率/Rated alternating current (AC) power	20kW
电网额定电压频率 Rated voltage and frequency of the power grid	AC400V 3W+N+PE 50/60Hz

型号/Model	LCA450E45KP30K
额定电流/Rated current	30.4A
离网侧参数/Parameters on the off-grid side	
额定功率/Rated power	20kW
额定电压/Rated voltage	3/N/PE, 400Vac
额定频率/Rated frequency	50/60Hz
额定电流/Rated current	30.4A
PV输入/PV Parameters	
最大输入功率/Maximum input power	30kW
MPPT输入电压范围/MPPT input voltage range	620~850VDC
常规参数/Standard Parametes	
尺寸/Dimensions	1260mm*643mm*1580mm
重量/Weight	约620kg (以实物为准) Approximately 620kg (subject to the actual product)
安装位置/Installation location	室外/室内Outdoor/Indoor
电池温控方式 Battery temperature control mode	风冷/Air cooling
防护等级/Protection level	IP55
使用寿命/Service life	≥4000 次循环0.5P@25°/25°,80%DOD ≥4000cycles, 0.5P@25°/25°,80%DOD
工作温度范围/Operating temperature range	-30 ~ 50℃
最高工作海拔/Maximum operating altitude	3000m
通讯/Communication	CAN/RS485/LAN
通讯协议/Communication protocol	Modbus TCP
标准/Standard	IEC62619,IEC61000

应用场景 >>>

Application scenarios



酒店

Hotel



超市

Supermarket



偏远山区

Remote mountainous areas



农户养殖

Farming areas



小区

Community



渔场养殖

Aquaculture areas



别墅充电区

Villa charging areas



户外充电区

Outdoor charging areas



家庭

Family



公众号
WeChat Official Account



抖音
Tiktok



视频号
WeChat Video Account

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