

技术参数 >>>

型号	Uhome-NCA 6.8kWh/LV
总容量*	6.8 kWh
可用容量（DC侧）*	6.0 kWh
额定充/放电功率	3KW
转换效率	>97%
峰值功率（放电）	7kW/3秒
峰值电流（放电）	135A /3秒
电压范围	43-57.5DC
额定电压	50.4V DC
额定电流	60A
短路电流	峰值3130A/6ms, 均值2480A
最大充电电压	58.8V
建议peukert参数（离网）	1.05
推荐放电深度（离网）	90%
标准工作环境	室内和室外
标准工作环境温度	-10℃ 到 45℃
标准工作环境湿度	25-95% RH
尺寸（W*H*D）	525*670*238 mm
重量	62kg
冷却方式	自然冷却
外壳材料	金属+塑料
颜色	黑色+银灰色/白色
安装方法	挂墙+蹲地
IP等级	IP65
并联最大数	4
质保	10年
寿命	>15 年
通信方式	CAN或者 RS 485
保护模式	三层硬件保护
电池保护	过流, 过电压, 短路, 欠压, 过热
认证	
安全	电芯 UL1642 电池产品 TUV (IEC 62619)
危险品分类	9类
运输	UN38.3 (UNDOT)

测试条件: 25摄氏度的条件下

※ 总容量/可用容量在特定的条件下 (0.2C CC-CV)

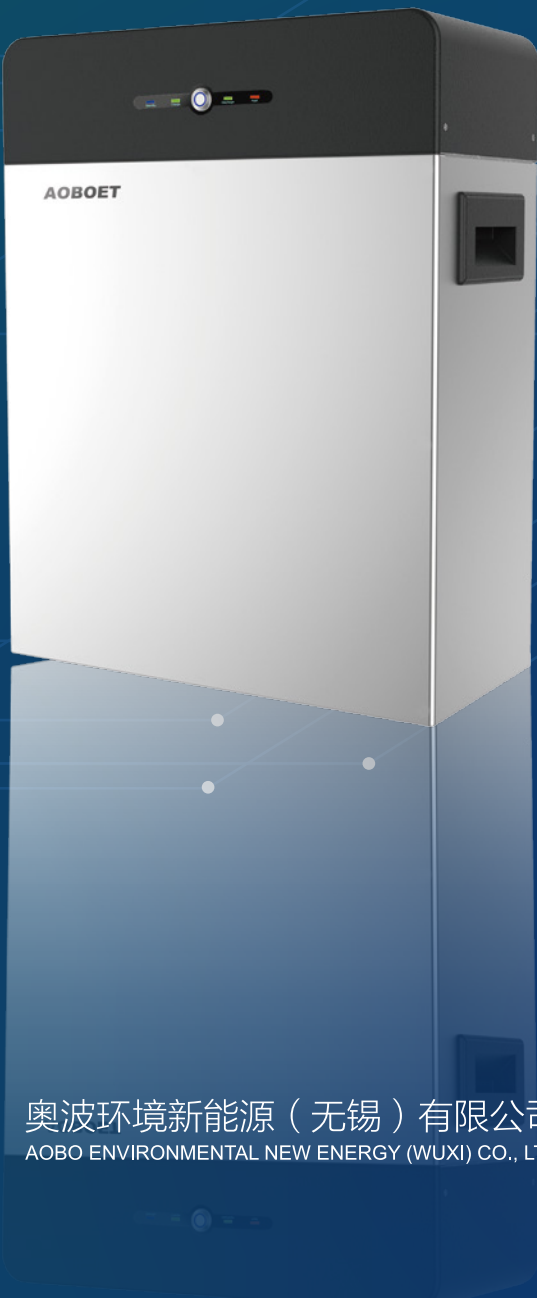


AOBOET

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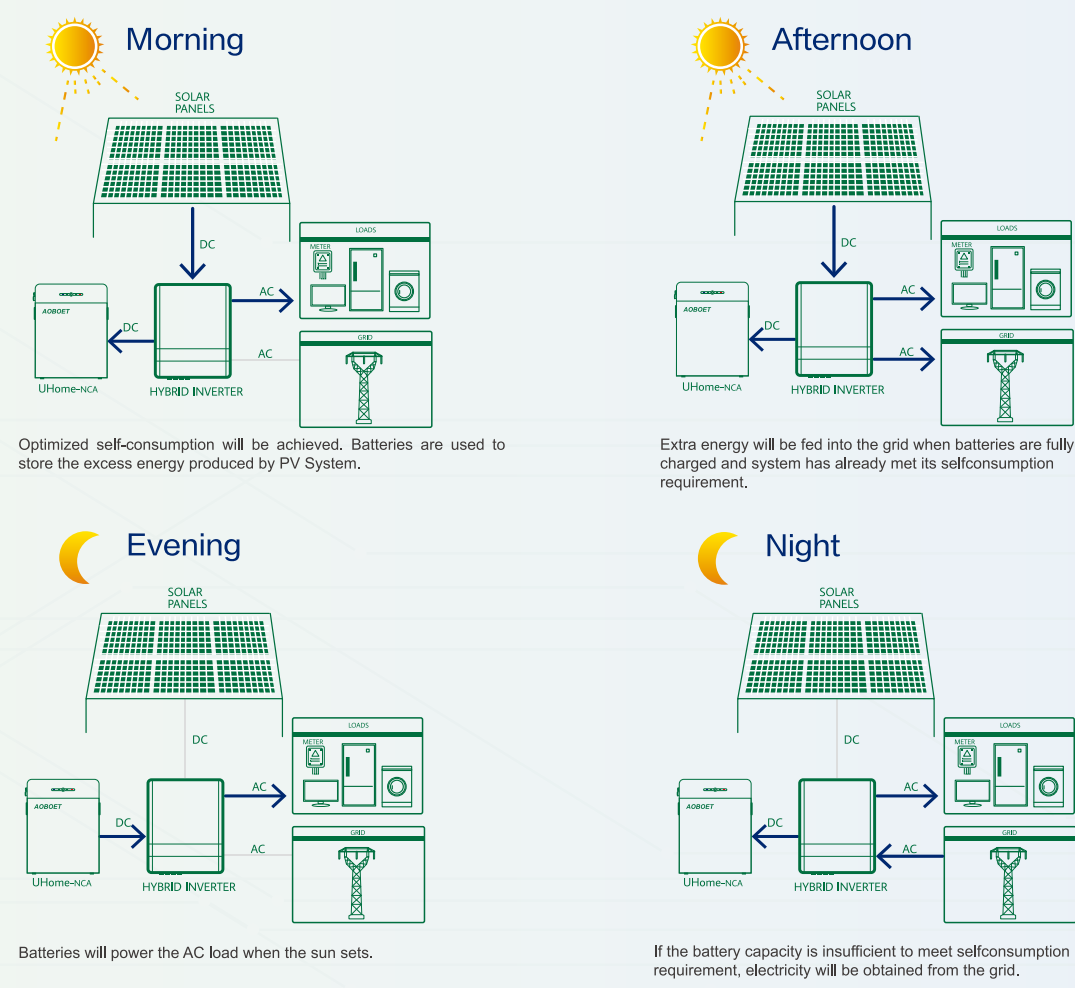
UHome-NCA Data Sheet

Home Energy Storage System



奥波环境新能源（无锡）有限公司
AOBO ENVIRONMENTAL NEW ENERGY (WUXI) CO., LTD

How It Works



Preface >>>

Uhome ESS is a new designed modular lithium energy storage system which can help to optimize home solar energy solution for users. (like peak load shifting, back up power and off-grid energy supply).

The Uhome ESS appearance combines ergonomics and modern industrial aesthetically design, lifespan more than 15 years. The modular design makes multiple units connected easily, increase battery capacity and significantly reduce carbon emission.

Preface >>>

Advantages

- ▶ Local Support
- ▶ Better Value for Money
- ▶ Longer Life
- ▶ High Safety Testing
- ▶ Higher Energy Density
- ▶ Less Weight
- ▶ Easy connection (CANBUS standard connection)
- ▶ High Inverter Compatibility
- ▶ Natural Cooling –
- ▶ Easily expandable
- ▶ IP65 – All metal case (battery)
- ▶ Smart indicator – LED
- ▶ 10yr warranty

Technical Properties

- ▶ Can be used with most hybrid inverters in default mode
- ▶ Small module with fusing function
- ▶ Advanced long cycling Life NCA Lithium battery.
- ▶ Modular design (battery) can be applied to internal or external installation with different conditions
- ▶ Optimized State of Charging algorithm, accuracy >97%
- ▶ Balancing technology ensures maximum battery life span
- ▶ Meeting the safety requirements of different countries, including TUV certification
- ▶ Real-time monitoring of battery management system (BMS) ensures maximum battery life span
- ▶ Heat conduction without fan. No moving parts
- ▶ Can expand useable capacity to 24.8kWh, with up to x4 units in parallel
- ▶ Full monitoring App (I-tunes/Android)

Technical Properties >>>

Model	Uhome-NCA 6.8kWh/LV
Total Energy*	6.8 kWh
Usable Energy(DC)*	6.0 kWh
Nominal Charge/Discharge Power	3KW
Efficiency	>97%
Peak Power (only discharging)	7kW for 3 sec.
Peak Current (only discharging)	135A for 3 sec.
Voltage	43-57.5DC
Nominal Voltage	50.4V DC
Nominal Current	60A
Short Circuit Current	3130Apeak at 6ms, 2480Arms
Max. charging voltage	58.8V
Recommended peukert setting(off-grid)	1,05
Max recommended DOD (off-grid)	90%
Operating Condition	Indoor or outdoor
Operating Temperature	From -10℃ to 45℃
Operation humidity	25-95% RH
Dimension (L*W*H)	525*675*238 mm
Weight	62kg
Cooling Type	Natural cooling
Case Material	Metal + Plastic
Color	Black + Silver gray or white
Installation	Free standing
IP Rating	IP65
Max numbers of parallel connection	4
Warranty	10Years (daily cycle)
Life Span	>15 Years
Communication	CAN, RS 485
Protection Mode	Triple Hardware Protection
Battery Protection	Over-current, Over-voltage, Short circuit, Under-voltage, Over-temperature
Certification	
Safety	Cell UL1642 Battery Pack TUV (IEC 62619)
Hazardous Materials Classification	Class 9
Transportation	UN38.3 (UNDOT)

Testing conditions based on temperature 25°C, at the beginning of life.

※ Total Energy/Usable Energy measured under specific conditions from AOBOET 0.2C CC-CV)



简介 >>>

Uhome-NCA 是一款全新设计模块化的锂电池储能系统，该系统将为用户提供最优化太阳能使用方案，如：消峰填谷，提供备用电源,减少电费支出减少二氧化碳排放量。

Uhome-NCA 外观设计兼具人体工程学及现代工业化设计于一身，并提供超过15年的使用寿命。

模块化设计使该系统多个储能包并机连接易于操作且可极大增加电池容量并大幅降低碳排放量。

简介 >>>

优势

- ▶ 本地化服务
- ▶ 电池性价比高
- ▶ 使用寿命长
- ▶ 安全可靠
- ▶ 高能量密度
- ▶ 重量轻
- ▶ 连接简易（标准CAN通信连接）
- ▶ 逆变器适配性好
- ▶ 自然风冷
- ▶ 易扩展
- ▶ IP65—全金属外壳（电池侧）
- ▶ 智能显示—LED
- ▶ 10年质保

技术性能

- ▶ 使用逆变器default模式可以适配大多数光储一体逆变器
- ▶ 单个电池过流熔断保护功能设计
- ▶ 先进的长寿命锂电池
- ▶ 电池模块化设计可以适应室内或室外多种安装环境
- ▶ 优化电池SOC计算方法，准确性>97%
- ▶ 均衡技术可最大化的延长电池的使用寿命
- ▶ 满足不同国家的安全需求，产品具有TUV认证
- ▶ 实时监控电池管理系统，最大化的延长电池使用寿命
- ▶ 无风扇的热传导，无移动部件
- ▶ 容量可扩展到24.8kWh，并联电池组数4台
- ▶ 产品监控APP，覆盖IOS及安卓操作系统