

# 户用储能电池包

Energy storage battery pack

QCESS-300



## 产品特点 Product Features

**安全:** 采用磷酸铁锂电池, 安全、寿命长且能量密度高

**高性能:** 最大持续充放电电流 150A, 满足日常家庭需求

**可靠性:** 内置智能 BMS、消防, 可提供全面保护

**灵活性:** 内置蓝牙, 使用 APP 实现远程监控。模块化设计, 易于扩容, 最多可并联 20 个单元, 适用于住宅和商业的应用, 提高使用率

**高防护等级:** IP65 无惧雷雨暴雪等恶劣天气

**Safety:** Equipped with LiFePO<sub>4</sub> battery, featuring high safety, long lifespan and high energy density.

**High Performance:** Maximum continuous charge/discharge current of 150A, meeting daily household needs.

**Reliability:** Built-in intelligent BMS and fire protection system for comprehensive protection.

**Flexibility:** Built-in Bluetooth enables remote monitoring via APP. The modular design allows easy capacity expansion, supporting up to 20 units in parallel, suitable for residential and commercial applications to improve utilization.

**High Protection Rating:** IP65, resistant to severe weather such as thunderstorms and heavy snow.

Item 项目	QCESS-300
Battery Type 电池类型	磷酸铁锂 LiFePO <sub>4</sub>
Operating Voltage / Capacity 工作电压 / 容量	51.2V/314Ah
Rated Energy 额定电量	16.076KWh
Voltage Range 电压范围	44.7V-57.6V
Recommended Charging Voltage 推荐充电电压	56V
Recommended Discharging Voltage 推荐放电电压	48V
Maximum Continuous Charging Current 标准充 / 放电电流	100A
Maximum Continuous Discharging Current 最大持续充电电流	150A
Maximum continuous discharge current 最大持续放电电流	150A
Recommended Charge/Discharge Rate 建议充放电倍率	0.5C
Cycle Life 循环次数 *	≥ 6000 次循环 / 6 年质保
Depth of Discharge (DOD) 放电深度	95%
Charging Temperature 充电温度	0° C - 55° C
Discharging Temperature 放电温度	-20° C - 55° C
Recommended Operating Temperature 推荐工作温度	0° C - 35° C
IP Rating IP 等级	IP65
Product Dimension (W*H*D) 产品尺寸 (W*H*D)	440*820*250mm
Net Weight 净重	118KG
Capacity Expansion 容量扩展	20 台
Fire Protection System 防火系统	内置气溶胶灭火器
Communication Interface 通讯方式	CAN/RS485
Bluetooth Function 蓝牙功能	内置蓝牙, APP 控制
Certifications 认证	UN38.3./MSDS/IEC62619/CE
Compatible Inverters 适配逆变器	SMA/SchneiderNictronenergy/Ingeteam/Solis/GoodWe/Growatt/Solplanet/ Luxpower/DEYE/Apsystem etc.

\* 测试条件 :0.2C 充放电, 25° C, 95%DOD