

户用储能电池包

Energy storage battery pack

QCESS-100



产品特点 Product Features

安全: 采用亿纬 102Ah 磷酸铁锂电池, 安全、寿命长且能量密度高

高性能: 最大支持 1C 充电, 可满足客户快速充电需求

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 EVE 102Ah LiFePO₄ battery, featuring high safety, long lifespan and high energy density.

High Performance: Supports up to 1C charge/discharge, meeting customers' fast charging and discharging 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: IP55, resistant to severe weather such as thunderstorms and heavy snow.

Item 项目	QCESS-100
Battery Type 电池类型	磷酸铁锂 LiFePO ₄
Operating Voltage / Capacity 工作电压 / 容量	51.2V/102Ah
Rated Energy 额定电量	5.22KWh
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	50A
Maximum Continuous Discharging Current 最大持续充电电流	100A
Maximum continuous discharge current 最大持续放电电流	100A
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)	400*600*160mm
Net Weight 净重	46KG
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