

B04 SERIES

Outdoor Air-cooled Energy Storage Cabinet



Product Introduction

This system highly integrates multiple core modules, including energy storage batteries, battery management systems (BMS), hybrid inverters, air-cooled thermal management systems, high-voltage boxes, and automatic fire protection systems. It primarily provides commercial and industrial users with efficient, safe, and intelligent power storage and scheduling solutions, supporting multiple application scenarios such as peak shaving and valley filling, self-consumption of self-generated power, and on/off-grid switching.



Complete Functions

It supports remote and local control, on-grid/off-grid operation, and allows real-time access to status and fault information anytime, anywhere.



Easy Installation

All components are integrated into the cabinet. On-site installation only requires connecting external wiring harnesses, with no secondary assembly needed.



Safe and Reliable

Built-in smoke detectors, temperature sensors, temperature control systems, and fire protection systems continuously monitor the internal status of the cabinet. In case of emergencies, the system can suppress or control the situation immediately.



Convenient Transportation

Supports transportation with battery modules installed.



Model: WKC	B04-241
Battery Chemistry	Lithium Iron Phosphate (LFP)
Module Capacity (Ah)	314
Module Nominal Voltage (Vdc)	51.2
Module Energy (kWh)	16.08
Number of Battery Modules in Series	15
System Nominal Energy (kWh)	241.2
System Nominal Voltage (Vdc)	768
System Operating Voltage (Vdc)	672~876
Max. Charge/Discharge Current	0.5C
Fire Suppression System	Heptafluoropropane (HFC-227ea)
Cooling Method	Intelligent Air Cooling
Communication Ports	CAN/RS485
Operating Temperature (°C)	-30~55; Derated operation above 45°C
Recommended Storage Temperature (°C)	0~35
Humidity	5%~95%RH (non-condensing)
Altitude	<3000m
Ingress Protection Rating	IP54
Corrosion Protection Class	C4-M
Dimensions (W×D×H, mm)	1825 (incl. inverter) × 1289 × 2193
Weight (kg)	2500 (incl. inverter)
Installation Location	Outdoor installation
Cycle Life	≥8000 cycles (at 25°C, 0.5P, 70% remaining capacity)
Certifications	UN38.3, MSDS, CE

Note: The above data are for reference. In case of any changes, no further notice will be given. For special customization requirements, please contact the equipment manufacturer.