

F03 SERIES

Wheeled 30kWh

Lithium iron phosphate battery module



Product Introduction

The product adopts a wheeled arc design, beautiful appearance and easy mobility; it matches all mainstream inverter communication protocols in the market; it adopts a full range of multi-level battery protection strategies and fault isolation measures to ensure the safe operation of the system. It is widely used in home energy storage systems, giving users the ultimate power experience.



Ultra-high energy density design saves user space



Bluetooth configuration, flexible adjustment of power demand



Massive protocol library, supporting all mainstream inverter models on the market



Supports 20 units in parallel to meet the power needs of users



Intelligent touch screen, real-time display of system information



Model: WKC	F03-51.2628	
Nominal Voltage (V)	48	51.2
Cell Specification (Ah)	314	
Nominal Capacity (Ah)	628	
Nominal Energy (kWh)	30.14	32.15
Operating Voltage Range (V)	42-54.74	44.8-58.4
Recommended Charging Voltage (V)	54	56.8
Recommended Discharge Cut-off Voltage (V)	42	44.8
Maximum Charging Current (A)	200	
Maximum Discharging Current (A)	200	
Cycle Life	6000 cycles (0.5C, 80% DOD, 25°C)	
Enclosure Dimensions (W*D*H) mm	460*774*680	
Weight (kg)	232	
Communication Method	CAN/RS485/Bluetooth/WiFi	
Number of Parallel Units	20 units	
Permissible Humidity Range (%RH)	15~85	
Storage Ambient Temperature (°C)	-20~60 (Recommended 10~35)	
Charging Ambient Temperature (°C)	0~50 (Recommended 10~35)	
Discharging Ambient Temperature (°C)	-10~60 (Recommended 10~35)	
Altitude (m)	< 3000	
Protection Rating	IP20	
Cooling Method	Natural air cooling	
Operating Conditions	Indoor	
Protection Method	Overvoltage, undervoltage, pressure differential, overtemperature, capacity, short circuit, communication failure, etc.	
Certification	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.