

F02 SERIES Rack-mounted

Home Energy Storage Lithium Battery



Product Introduction

The product features a rack-mount design compatible with 19-inch cabinets; supports all mainstream inverter communication protocols on the market; and employs comprehensive, multi-level battery protection strategies and fault isolation measures to ensure safe system operation. Widely used in communication backup power applications and home energy storage systems, it delivers an exceptional power usage experience for users.



Ultra-high energy density design saves user space



Bluetooth configuration, flexibly adjust power requirements



Massive protocol library supporting all mainstream inverter models on the market

20
Parallel

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

19 in

Can be built into a 19-inch rack



Model: WKC	F02-51.2100F02-51.2200F02-51.2314		
Nominal Voltage (V)	51.2		
Cell Specification (Ah)	100	200	314
Nominal Capacity (Ah)	100	200	314
Nominal Energy (kWh)	5.12	10.24	16.07
Operating Voltage Range (V)	44.8-58.4		
Recommended Charging Voltage (V)	56.8		
Recommended Discharge Cut-off Voltage (V)	44.8		
Maximum Charging Current (A)	50	100	150
Maximum Discharging Current (A)	50	100	150
Cycle Life	6,000 cycles (0.5C, 90% DOD, 25°C)		
Enclosure Dimensions (W*D*H) mm	440*550*140	530*720*140	440*780*235
Weight (kg)	42.7	83	111.7
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.