

F03 SERIES Wheeled

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

20
Parallel

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



Bluetooth configuration, flexible adjustment of power demand

LCD

Standard LCD screen, direct selection of inverter communication protocol on the screen



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



Model: WKC	F03-51.2280	F03-51.2314
Nominal Voltage (V)	51.2	
Cell Specification (Ah)	280	314
Nominal Capacity (Ah)	280	314
Nominal Energy (kWh)	14.34	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)	140	150
Maximum Discharging Current (A)	140	150
Cycle Life	6000 times (0.5C, 90% DOD, 25°C)	
Chassis Dimensions (W*D*H) mm	600*230*615/700(including wheels)	
Weight (kg)	120	125
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 Level	IP20	
Cooling Method	Natural air cooling	
Condition	Indoor	
Protection method	Overvoltage, undervoltage, differential voltage, overtemperature, capacity, short circuit, communication failure, etc	
Certificate	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.