

F01 SERIES Wall Mount

Lithium iron phosphate battery module



Product Introduction

This product features a wall-mounted arc design, presenting an elegant and aesthetically pleasing appearance. It is compatible with the communication protocols of all major inverters in the market. Equipped with comprehensive and multi-level battery protection strategies and fault isolation measures, it ensures the safe operation of the system. Widely applied in home energy storage systems, it delivers an exceptional power-using experience to users.



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



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



Model: WKC	F01-51.2100		F01-51.2200	F01-51.2200-B
Nominal Voltage (V)	51.2			
Cell Specification (Ah)	100			
Nominal Capacity (Ah)	100	200		
Nominal Energy (kWh)	5.12	10.24		
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		
Maximum Discharging Current (A)	50	100		
Cycle Life	6000 times (0.5C, 90% DOD, 25°C)			
Chassis Dimensions (W*D*H) mm	380*148*615	430*240*630	550*148*780	
Weight (kg)	46	85	83	
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.