

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	F01-25.6314	F01-51.2100	F01-51.2200-B
Nominal Voltage (V)	25.6	51.2	
Cell Specification (Ah)	314	100	
Nominal Capacity (Ah)	314	100	200
Nominal Energy (kWh)	8.03	5.12	10.24
Operating Voltage Range (V)	22.4-29.2	44.8-58.4	
Recommended Charging Voltage (V)	28.4	56.8	
Recommended Discharge Cut-off Voltage (V)	22.4	44.8	
Maximum Charging Current (A)	150	50	100
Maximum Discharging Current (A)	150	50	100
Cycle Life	8000 cycles (0.5C, 90% DOD, 25°C)	6000 cycles (0.5C, 90% DOD, 25°C)	
Chassis Dimensions (W*D*H) mm	440*235*520	380*148*615	550*148*780
Weight (kg)	62	43.2	81.5
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.