

B01 SERIES High-Voltage

Lithium Iron Phosphate Battery Pack



Model: WKC	B01-5.12*4		B01-5.12*10	B01-5.12*15
Module Nominal Voltage (V)	51.2			
Module Capacity (Ah)	100			
Module Energy (kWh)	5.12			
Number of Battery Modules	4(Min)	10	15(Max)	
System Nominal Voltage (V)	204.8	512	768	
System Energy (kWh)	20.48	51.2	76.8	
Operating Voltage Range (V)	179.2~233.6	448~584	672~876	
Maximum Charging Current (A)	50			
Recommended Discharge Current (A)	50			
Maximum Discharge Current (A)	100(15~30°C)			
Recommended Depth of Discharge	90%			
Cycle Life	6000 times (0.5C, 80%DOD, 25°C)			
Enclosure Dimensions (W*D*H) mm	550*440*1000	(550*2)*440*1200	(550*2)*440*1600	
Weight (kg)	222	505	745	
Communication Method	CAN/RS485			
Permissible Humidity Range (%RH)	15~85			
Storage Ambient Temperature (°C)	0~45(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.

Product Introduction

The product features a bracket-mounted design, enabling flexible installation and easy system expansion. It employs comprehensive, multi-level battery protection strategies and fault isolation measures to ensure safe system operation. The LCD touchscreen and cloud-based service configuration enhance operational efficiency and convenience, delivering an exceptional user experience.



Ultra-high energy density design saves user space



Cloud Services: Making Operations More Efficient and Convenient



4.3-inch LCD touchscreen Real-time display of system information



Flexible installation, easy expansion