



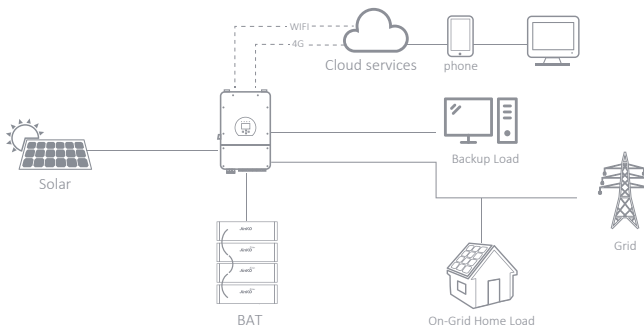
JKS-B48100-HI

Low Voltage LFP Battery



- MODULAR DESIGN**
Modular design with 5.12kWh per unit, easy to stack
- BETTER RELIABILITY & SAFETY**
Built-in battery management system with better performance and protection functions
- EASY EXPANSION**
Flexible configurations allow parallel of multi battery for longer standby time
- LONGER BATTERY LIFE-SPAN**
Lithium iron phosphate (LifePO4), safe with longer life span

CIRCUIT DIAGRAM



SPECIFICATIONS

Battery Pack		JKS-B48100-HI
Physical		
Battery Type	LFP (LiFePO4)	
Weight	41±2 kg	
Dimensions [W*H*D]	442*430*130.5 (±2) mm	
Enclosure Protection Rating	IP20	
Warranty	10 years	
Electrical		
Energy Capacity	4.8kWh	
Usable Capacity	>4.5kWh (25 ℃)	
Cell Capacity	100Ah	
Rated Voltage	48V	
Operation Voltage Range	40.5 ~ 54V	
Cycle Life ^[1]	6000	
Operation		
Recommended Charge Current	50A	
Rcommended Discharge Current	50A	
Max. Charge Current	100A	
Max. Discharge Current	100A	
Peak Discharge Current	300A	
Charging Temperature Range	0 ℃ ~ 55 ℃	
Discharging Temperature Range	-20 ℃ ~ 60 ℃	
Storage Temperature	0 ℃ ~ 30 ℃	
Humidity	5% ~ 95%	
Certification		
Cell Certificates	IEC62619 CE UN38.3	
Pack Certificates	IEC62619 CE UN38.3	

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