

JKS-B51XXX-BI Battery System Series

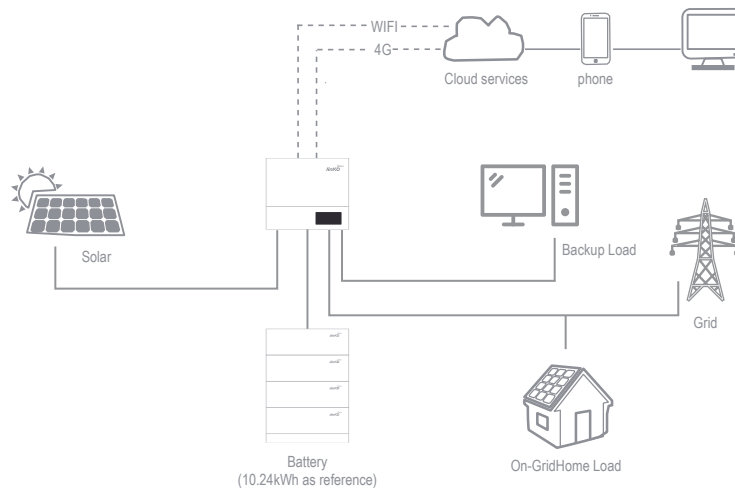
More powerful
More efficient

New intelligent platform use new energy



Key Features

- Flexible capacity options, 2.56kWh to 25.6kWh
- Excellent safety of cobalt free LiFePO4 battery
- Easy installation with modular and stacked design
- Remote firmware upgrade



SPECIFICATIONS

Datasheet

JKS-B5150-BI JKS-B51100-BI JKS-B51150-BI JKS-B51200-BI JKS-B51250-BI JKS-B51300-BI JKS-B51350-BI JKS-B51400-BI JKS-B51450-BI JKS-B51500-BI

System Demo



Battery Module

JKS-B5150-BI (2.56kWh, 51.2V, 28kg)

Number of Modules	1	2	3	4	5	6	7	8	9	10
Nominal Energy	2.56kWh	5.12kWh	7.68kWh	10.24kWh	12.8kWh	15.35kWh	17.92kWh	20.48kWh	23.04kWh	25.64kWh
Rated Energy	2.30kWh	4.60kWh	6.90kWh	9.21kWh	11.52kWh	13.81kWh	16.12kWh	18.43kWh	20.73kWh	23.04kWh
Dimension (W/D/H)	650/260/185 mm	650/260/366 mm	650/260/547 mm	650/260/728 mm	650/260/909 mm	650/260/1090 mm	650/260/1271 mm	650/260/1452 mm	650/260/1633 mm	650/260/1814 mm
Weight	28kg	56kg	84kg	112kg	140kg	168kg	196kg	224kg	252kg	280kg
Standard Charge/Discharge Current	25A	50A	75A	100A	100A	100A	100A	100A	100A	100A
Rated DC Power	1.28kW	2.56kW	3.84kW	5.1kW	5.1kW	5.1kW	5.1kW	5.1kW	5.1kW	5.1kW
Usable Capacity	2.3kWh	4.6kWh	6.9kWh	9.2kWh	11.5kWh	13.8kWh	16.1kWh	18.4kWh	20.7kWh	23kWh
Max. Charging/Discharging Power	2.45kW	4.9kW	5.63kW	5.63kW	5.63kW	5.63kW	5.63kW	5.63kW	5.63kW	5.63kW
Max. Charging/Discharging Current	48A	96A	110A	110A	110A	110A	110A	110A	110A	110A
Fault Current	49A	98A	110A	110A	110A	110A	110A	110A	110A	110A

GENERAL

Battery Type	Cobalt Free Lithium Iron Phosphate (LFP)
Nominal Voltage	51.2V
Operating Voltage Range	47.2 - 56.8V
IP Protection	IP65
Installation	Wall-mounted or Floor installation *1
Operation Temperature	-10°C ~ 45°C

FEATURES

BMS Monitoring Parameters	SOC, System voltage, current, cell voltage, cell temperature, PCBA temperature measurement
Communication Port	CAN
Warranty: 10 years	Yes
Certification	IEC62619 (Cell&Pack), CE, CEC, RCM, UN38.3

*1 Floor installation requires extra base (W/D/H=650/260/80 mm)

*2 Battery discharge: -10°C ~ 45°C, battery charge: 0°C ~ 45°C

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

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JKS-B51XXX-BI-A2