

# JKS-B51100-CI

Low Voltage LFP Battery



## MODULAR DESIGN

Modular design with 5.12kWh per unit, easy to stack



## LONGER BATTERY LIFE-SPAN

Lithium iron phosphate (LiFePO<sub>4</sub>), safe with longer life span



## EASY EXPANSION

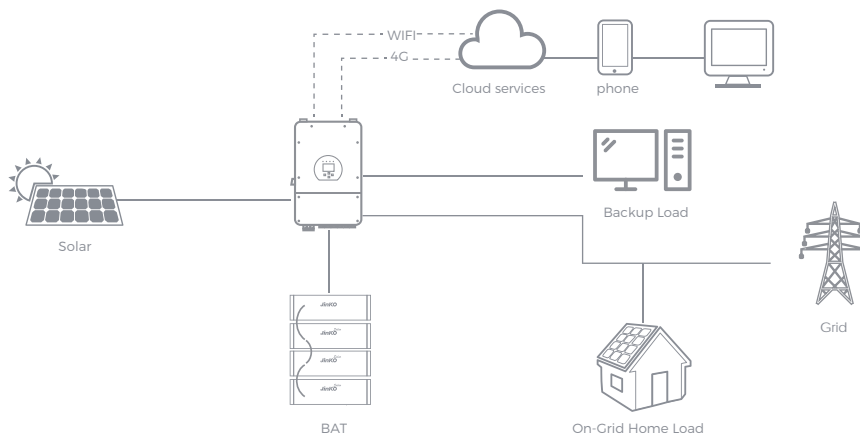
Flexible configurations allow parallel of multi battery for longer standby time



## BETTER RELIABILITY & SAFETY

Built-in battery management system with better performance and protection functions

## CIRCUIT DIAGRAM



## SPECIFICATIONS

Datasheet	JKS-B51100-CI
Cell Technology	Lithium Iron Phosphate
Battery Module Capacity	5.12 kWh
Battery Module Voltage	51.2 V
Battery Module Capacity (Ah)	100 Ah
Battery Module Cell Quantity	16
Battery Cell Capacity	320 Wh
Battery Cell Voltage	3.2 V
Battery Cell Capacity	100 Ah
Battery Module Cell Quantity in Series	16
Battery Module Charge Voltage	56.5 V
Life Cycles <sup>[1]</sup>	5000 cycles
Battery Charge/Discharge Current	50 A (recommended) 90(max) 100 A (peak 15S)
Dimension (W*D*H)	481*535*135 mm
Communication	CAN/RS485
Pollution Degree (PD)	II
IP Grade	IP20
Weight(kg)	44
Working temperature	"Charging 0 C~+55 C Discharging -20 C~+55 C"
Humidity	5%-85% RH (No condensation, system work well.)
Storage temperature	-10 C~+35 C
Warranty	10 years

<sup>[1]</sup> 0.5C, 25 C, 80%DOD, 70%EOL

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

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