

JinkoSolar to Supply 496 Sets of SunTank Residential ESS to Solar Shop Japan

JinkoSolar has delivered 496 sets of its SunTank residential energy storage systems (RESS) to Solar Shop Ltd. for Japanese households.

Most of the PV systems in Japan are small-scale residential, and increasingly, commercial rooftop installations. JinkoSolar's SunTank is a state-of-the-art energy management solution designed for owners who plan to implement effective residential energy management. It provides an efficient solution for home's green electricity consumption, by reducing costs, peak shifting, and maximizing the self-utilization rate of power generation.

It features a flexible extensive capacity and

the wide power range enables flexible configurations for different rooftops. The compact design makes the battery volume reduced and the plug-in-play design, ensures no more extra tools needed. Low noise, robust but appealing-looking enclosure. In addition, with all data integrated into one app, users can click to initialize both inverter and battery, commissioning automatically and manage the plant yield timely.

JinkoSolar's brand value, product quality, and professional service teams will pave the path for further product diversification and the deployment of the "PV+" business model in Japan.



Model Name

Max. Recommended PV Array Power	
Max. Input Voltage	550V
Rated Input Voltage	380V
MPPT Voltage Range	40V-530V
Start Voltage	50V
No. of independent MPPT Trackers / Strings per MPPT Input	2/1
Max. Input Current per MPPT Tracker	16A
Max. Short-circuit Current per MPPT Tracker	20A
Battery Input	
Compatible Battery	JKS-B51100-GI
Nominal Battery Voltage	48V / 51.2V
Battery Voltage Range	40V - 60V
Max. Charging Power	5000W
Max. Discharging Power	5000W
Max. Charging Current	100 A
Max. Discharging Current	100A

JKS-B51100-G1

Low Voltage LFP Battery



LONG LIFESPAN

10 years comprehensive warranty with more than 6000 life cycles

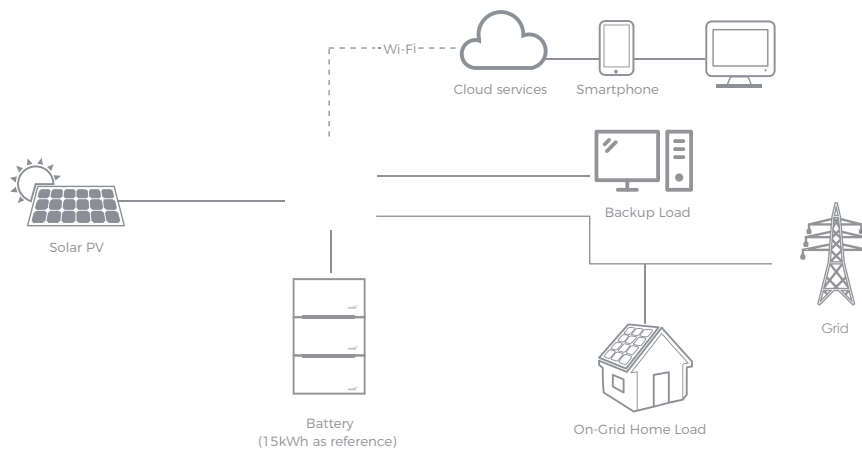
EXTREME RELIABILITY

Full protections including cell, pack, and communication modules






ALL-IN-ONE SOLUTION

PV+ESS solution for packed warranty and one-stop service and support



SPECIFICATIONS

Battery Pack		JKS-B51100-GI			
Datasheet	JKS-B51100-GI	JKS-B51200-GI	JKS-B51300-GI	JKS-B51400-GI	
System Demo					
Battery Module	JKS-B51100-GI (5.12kWh, 51.2V, 58kg)				
Number of Modules	1	2	3	4	
Energy Capacity	5.12kWh	10.24kWh	15.36kWh	20.48kWh	
Usable Capacity	4.6kWh	9.36kWh	13.82kWh	18.43kWh	
Dimension (W/D/H) ¹	660/210/410mm	660/210/810mm	660/210/1210mm	660/210/1610mm	
Weight	58kg	116kg	174kg	232kg	
Max. Charging/ Discharging Power ²	4.86kW	4.86kW	4.86kW	4.86kW	
Max. Charging/ Discharging Current	95A	95A	95A	95A	
GENERAL SPECIFICATION					
Battery Type	Cobalt Free Lithium Iron Phosphate (LFP)				
Nominal Voltage	51.2V				
Operating Voltage Range	44.8 ~ 58.4V				
IP Protection	IP65				
Installation	Floor-standing				
Operation Temperature	-30 C ~ 55 C				
FEATURES					
Communication Port	CAN, RS485				
Warranty	10 Years				
CERTIFICATION					
Cell Certificates	UL1642, IEC62133, IEC62619, UN38.3				
Pack Certificates	IEC62619, UN38.3				



- 1 Battery SOC Indicator Button
- 2 Battery SOC Indicator
- 3 Hidden cable connection box