

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.



JKS-3~6HLVS-GI

Single Phase Low Voltage Inverter

Jinko^{Solar}



RELIABLE POWER SUPPLY

EPS output power goes up to 5kw



LONG LIFESPAN

Market leading 10-year warranty



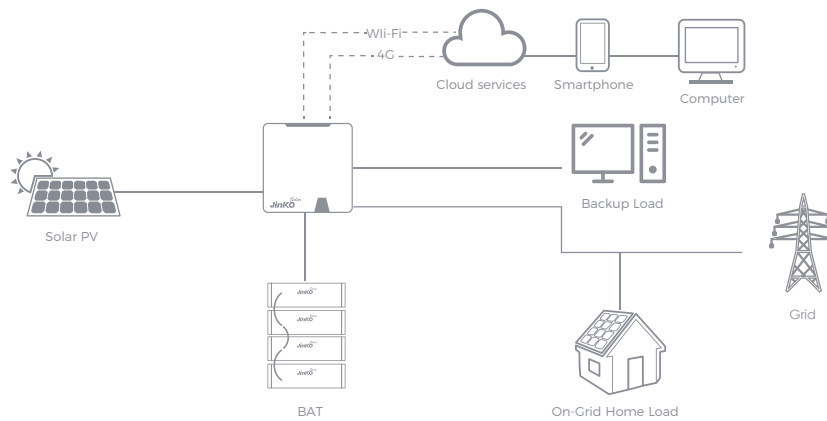
SMART ENERGY MANAGEMENT

UPS switch time within 10ms when grid off



HIGH PROTECTION

IP66 (dust proof and water proof)



Model Name	JKS-3HLVS-GI	JKS-3.6HLVS-GI	JKS-4HLVS-GI	JKS-5HLVS-GI	JKS-6HLVS-GI
PV Input					
Max. Recommended PV Array Power	5500 Wp STC	6180 Wp STC	6500 Wp STC	7500 Wp STC	9000 Wp STC
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				
AC Output					
Nominal AC Voltage	230 V				
AC Voltage Range	180 V to 280 V				
Rated AC Grid Frequency	50 Hz / 60 Hz				
Rated Active Power	3000 W	3680 W	4000 W	5000 W ^{*1}	6000 W
Rated Apparent Power	3000 VA	3680 VA	4000 VA	5000 VA ^{*1}	6000 VA
Max. Apparent Power	3000 VA	3680 VA	4000 VA	5000 VA ^{*1}	6000 VA
Rated Grid Output Current (@230V)	13.1A	16A	17.4A	21.7A ^{*2}	26.1A
Max. Grid Output Current	13.6A	16A	18.2A	22.7A ^{*2}	27.3A
AC Input					
Rated Apparent Power	6000 VA				
Max. Input Apparent Power from Grid	6000 VA				
Rated Input Current from Grid	A.C. 26.1A				
Max. Input Current from Grid	A.C. 27.3 A				
EPS Output					
Nominal Output Voltage	230 V				
Nominal Output Frequency	50 Hz / 60 Hz				
Rated Apparent Power	5000 VA				
Max. Output Apparent Power	5000 VA				
Peak Output Apparent Power	7500 VA, 10s				
Rated Current (@230V)	21.7 A				
Max. Output Current	21.7 A				
UPS Switch Time	≤ 10 ms				
Output THDi (@ Linear load)	< 3%				
Efficiency					
MPPT Efficiency	99.90%				
Max. Efficiency	97.60%				
Euro Efficiency	97%				
Protection					
Integrated	DC-side Disconnection Device, PV String- / Battery Input Reverse Polarity Protection, All-pole Sensitive Residual Current Monitoring Unit, Anti-islanding Protection, Ground Fault Protection, AC Output Over-current / Short Circuit Current Protection, AC Over-voltage Protection				
Overvoltage Category (as per IEC 62109-1)	AC: III; DC: II				
General Data					
Power Factor	0.8 leading to 0.8 lagging				
Dimensions (W / H / D)	483 / 455 / 193.5 mm				
Device Weight	25.1 kg				
Operating Temperature Range	-25 °C ~ +60 °C				
Noise Emissions (typical)	30 dB(A)				
Standby Consumption	< 10 W				
Cooling Concept	Natural Convection				
Protection Class (as per IEC 60529)	IP66				
Max. Permissible Value for Relative Humidity (non-condensing)	100%				
Communication with BMS	RS485 / CAN				

*1 For VDE-AR-N4105, Smax=S_n=4600VA, P_n=4600W *2 For AS/NZS4777.2, I_{ac} max=21.7A

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

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JKS-3-6HLVS-GI-EU-D4

JKS-B51100-GI

Low Voltage LFP Battery



LONG LIFESPAN

10 years comprehensive warranty with more than 6000 life cycles



UNIQUE SAFETY

Ingression protection class of IP65 for flexible indoor and outdoor installation



PREMIUM SERVICE

Australian-based Local support available 24/7



EXTREME RELIABILITY

Full protections including cell, pack, and communication modules



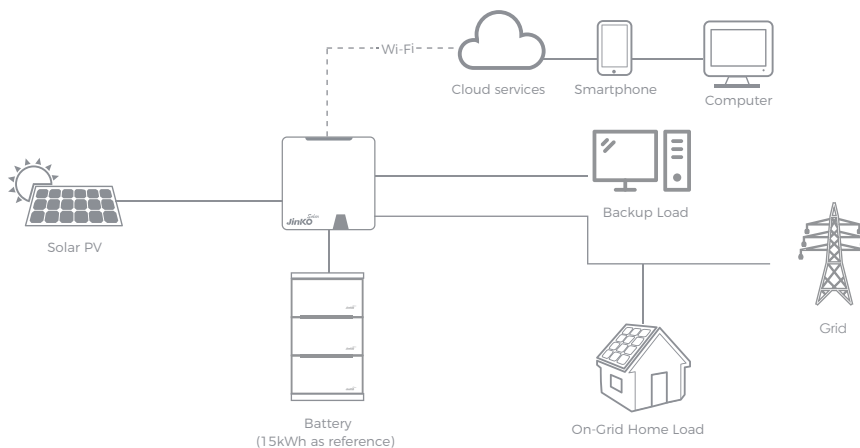
QUICK INSTALLATION

Plug-and-Play connection for 40% less installation time







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	
Rated Charging/ Discharging Power ²	2.56kW	4.86kW	4.86kW	4.86kW	
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 For floor-standing, we suggest to use battery base (W/D/H: 660/210/60mm), and battery cover (W/D/H: 660/210/40mm).

² The suggested discharging temperature is within -20°C ~ 50°C, whereas the suggested charging temperature is within 0°C ~ 50°C.

³ Recommended Charging/Discharging rate at 0.5C.

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