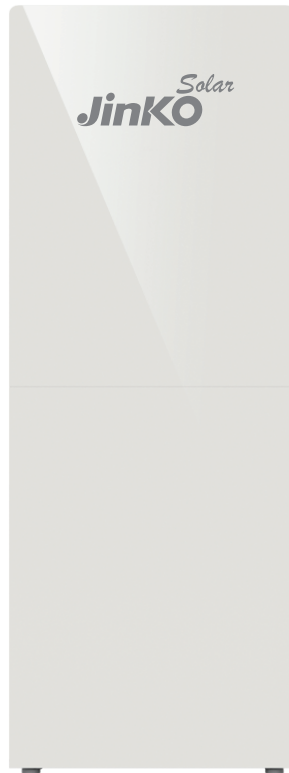








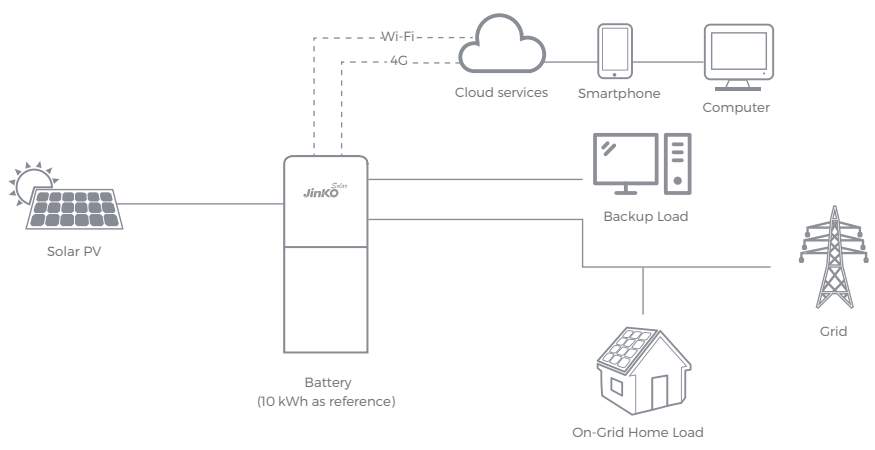
JKS10.2K-5HLVS

All-in-One Low Voltage System



JKS10.2K-5HLVS is an all-in-one storage solution which integrates a hybrid inverter and LFP modular batteries. It has a robust battery management system (BMS) for safe operation and 10-year battery warranty. It can be paired with any existing solar installation. It is equipped with all necessary AC/DC protections and employs an advanced monitoring system to ensure reliable performance.

-  The inverter can connect to a PV input of up to 6 kW DC over two MPPT channels and is available in both grid and off-grid switch functions
-  Smart real-time monitoring app for both installers and end-users to track system production
-  Double leakage current and isolation protection, multi-stage protection scheme ensures higher safety
-  Built-in DC/AC safety isolation system, easier for transportation and installation
-  Natural convection and wider operating temperature range from -20°C to +55°C
-  Compact and thin with minimalist exterior design



SPECIFICATIONS

Model	JKS10.2K-5HLVS	
System Capacity		5kW/10kWh
PV String Input	Max. DC input power (W)	6000
	Max. DC Input voltage & nominal voltage(V)	580 & 360
	Startup voltage & MPPT voltage range(V)	90 & 125-550
	Number of MPPT	2
	Max. input current per MPPT(A)	13
	Max. short-circuit current per MPPT(A)	14
Battery Input	Battery type	LFP (LiFePO4)
	Nominal battery voltage(V)	51.2
	Charging Voltage range (V)	44.8-57.6
	Max. charging current & discharging current(A)	70 & 100
	Battery capacity (Ah)	100Ah*2
	Energy capacity (kWh)	5.12kWh*2
	Usable capacity (kWh)	9.216
AC Output (Grid)	Nominal AC output power (W)	5000
	Nominal AC voltage & AC grid frequency	230Vac & 50/60Hz±5Hz
	Rated output current(A)	22.8
	Power factor (cosΦ)	0.8leading-0.8lagging
AC Output (Backup)	Max. output power(W)	4600W(4800W 5min; 6000W 5sec)
	Nominal AC voltage & AC grid frequency	230Vac & 50/60Hz±5Hz
	Rated output current(A)	20.9
Efficiency	Max. PV efficiency	97.8%
	Euro. PV efficiency	97%
Protection	Anti-islanding protection	Yes
	Output over current	Yes
	DC reverse polarity protection	Yes
	String fault detection	Yes
	AC/DC surge protection	DC Type II ; AC Type III
	Insulation detection	Yes
	AC short circuit protection	Yes
General Specifications	Dimensions W x D x H	623*170*1843mm
	Cabinet weight	52kg
	Inverter weight	28kg
	Packs weight	88kg
	*Operating temperature range	-20 C ~+55 C
	Noise level	<30dB
	Cooling type	Natural Convection
	Operation altitude	≤ 2000m
	Operation humidity	0%-95% RH
	Ingress protection class	IP65(Inverter & battery cabinet)
	Warranty	5 years (inverter)/10 years (battery)
	Communication	RS485/CAN2.0/WIFI
	Display	APP
Certification & standard	EN61000 IEC 62619 IEC 63056 UN 38.3 IEC 62109 NRS 097 CEI 0-21: 2022	

* For charging operation: 0C ~+55 C, for discharging operation: -20 C ~+55 C

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

© Jinko Solar Co., Ltd., All rights reserved. Specifications included in this datasheet are subject to change without notice.

JKS10.2K-5HLVS--EN-A2