

JKS10.2K-5HLVS

More powerful
More efficient

New intelligent platform use new energy

System: IEC62109 EN61000 CEI 0-21: 2022

Battery: IEC 62619 IEC 63056 EN61000 UN 38.3

Inverter: IEC 62109 NRS 097



Key Features



Natural Convection Design, Wider Operating Temperature Range



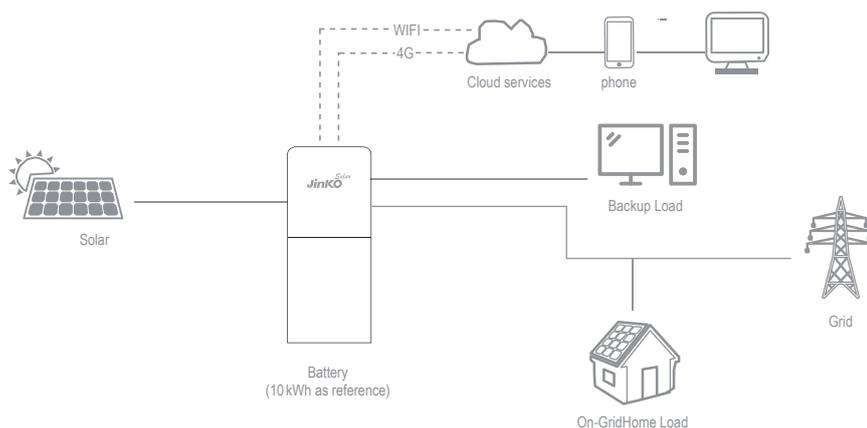
Double Leakage Current and Isolation Protection
Higher Safety for Users



Smart Real-time System Monitoring APP Available



All-in-One RESS Solution, More User-friendly Installation



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
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)
	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
Cabinet weight		52kg
Inverter weight		28kg
Packs weight		88kg
*Operating temperature range		-20℃~+55℃
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: 0℃~+55℃, for discharging operation: -20℃~+55℃

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

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