

# JKS7.2K-3.6HLVS JKS9.6K-5HLVS JKS19.2K-8HLVS

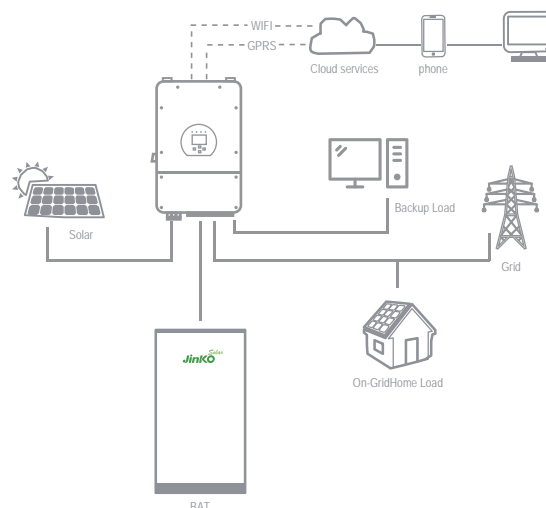
more powerful  
more efficient

New intelligent platform use new energy



## Key Figures

- Future conception for solar
- Charge controller and inverter integrated
- Intelligent battery management function
- Capable of being grid-interactive or grid-independent
- More security & performance for same costs
- Battery max. discharge power up to 8 kW
- Monitoring inverters freely via computers or mobile phones
- Back-Up Mode can integrate with diesel generator



## SPECIFICATIONS

System capacity		JKS7.2K-3.6HLVS	JKS9.6K-5HLVS	JKS19.2K-8HLVS
<b>INPUT PV</b>	Max.recommended PV panel power[kW]	4.68	6.5	10.4
	Max.DC voltage[V]	500		
	Input voltage range[V]	100~500		
	Norminal DC operating voltage[V]	370		
	Max. input current(per mppt)[A]	12.5	12.5	22
	Max. short circuit current(per mppt)[A]	20+20	20+20	20x2+20x2
	MPPT voltage range[V]	125-425		
	No. of MPP trackers	2		
	Strings per MPP tracker	1+1	1+1	2+2
<b>BATTERY</b>	Battery type	LFP		
	Norminal battery energy[kWh]	7.2	9.6	19.2
	Battery voltage range[V]	42~51.5		
	Norminal battery voltage [V]	48		
	Max.charge/discharge current[A]	76.5/90	100/120	150/185
	Communication interfaces	R485/CAN		
	<b>OUTPUT AC</b>	Grid type	1Φ 3W 230V	
Rated grid Frequency[Hz]		50/60		
Norminal AC output power[W]		3600	5000	8000
Norminal AC output current[A]		15.7	21.7	35
Max. AC output current[A]		18	24	40
<b>OUTPUT EPS</b>	EPS rated voltage[V]	230		
	EPS rated Frequency[Hz]	50/60		
	EPS rated power[W]	3600	5000	8000
	EPS peak power[W]	3960	5500	8800
<b>CERTIFICATION</b>	PCS Certifications	VDE0126, IEC62109-1/2, IEC61683		
	Battery safety certifications	UL1973,IEC62619, UN38.3		
<b>EFFICIENCY</b>	Max. PV to AC efficiency	97.6%		
	Max. Battery to AC efficiency	95%		
<b>ENVIRONMENT LIMIT</b>	IP Level	IP65(Inverter) IP55(Battery)		
	PCS operating temperature range[ C ]	-25~60, >45 Derating		
	Battery operating temperature range[ C ]	0-45		
	Altitude[m]	2000		
<b>OTHERS</b>	Noise emission(typical)[dB]	<30		
	Cooling concept	Natural convection		
	Insulating method	Transformerless		
	Communication	External:APP/Web Battery:CAN2.0		
	Warranty	5 years / 10 years(optional)		
<b>DIMENSIONS AND WEIGHT</b>	Cabinet dimensions (W×D×H) [mm]	510x290x1130		
	Cabinet weight[kg]	116	140	140
	PCS dimensions (W×D×H) [mm]	330x208x580	330x208x580	420x233x680
	PCS weight [kg]	20.5	20.5	32

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

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# JKS10.2K-5HLVS

More powerful  
More efficient

New intelligent platform use new energy

System: IEC62109 EN61000

Battery: IEC 62619 IEC 63056 EN61000 UN 38.3

Inverter: IEC 62109 NRS 097



## Key Features



More Aesthetics Exterior Design



Double Leakage Current and Isolation Protection  
Higher Safety for Users



Natural Convection Design, Wider Operating  
Temperature Range



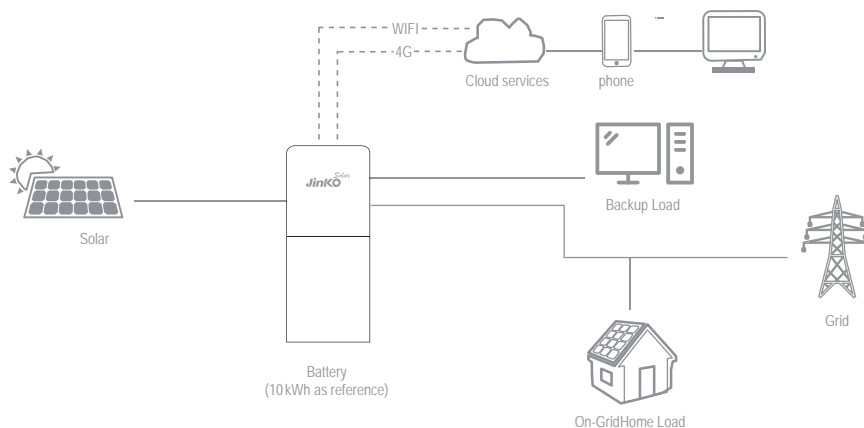
All-in-One RESS Solution, More User-friendly Installation



Smart Real-time System Monitoring APP  
Available



Battery Capacity Flexibly Expands up to 6 Packs



# SPECIFICATIONS

Model		JKS10.2K-5HLVS
<b>System Capacity</b>		5kW/10kWh
<b>PV String Input</b>	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)	15
	<b>Battery Input</b>	Battery type
Nominal battery voltage (V)		51.2
Charging Voltage range (V)		44.8-57.6
Max. charging current & discharging current (A)		70 & 80
Battery capacity (Ah)		100
Energy capacity (kWh)		10.24
Usable capacity (kWh)		9.216
<b>AC Output (Grid)</b>	Nominal AC output power (W)	5000
	Nominal AC voltage & AC grid frequency	230Vac & 50/60Hz±5Hz
	Rated output current (A)	21.7
	Power factor (cosΦ)	0.8leading-0.8lagging
<b>AC Output (Backup)</b>	Max. output power (W)	4600W(4800W 5min; 6000W 5sec)
	Nominal AC voltage & AC grid frequency	230Vac & 50/60Hz±5Hz
	Rated output current (A)	20
<b>Efficiency</b>	Max. PV efficiency	97.8%
	Euro. PV efficiency	97%
<b>Protection</b>	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
<b>General Specifications</b>	Dimensions W x D x H	623*170*1843mm
	Cabinet weight	52kg
	Inverter weight	25kg
	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)
	Communication	RS485/CAN2.0/WIFI
	Display	APP
	Certification & standard	EN61000 IEC 62619 IEC 63056 UN 38.3 IEC 62109 NRS 097

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

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