

JKS10.24K-5HLVS

Low Voltage System

Solar
JinkO



RELIABLE POWER SUPPLY

Maximum PV STC power up to 11.6kw



LONG LIFE SPAN

10 years warranty for guaranteed product performance and service



SMART ENERGY MANAGEMENT

UPS switch time within 16ms for seamless power supply



GOOD PROTECTION

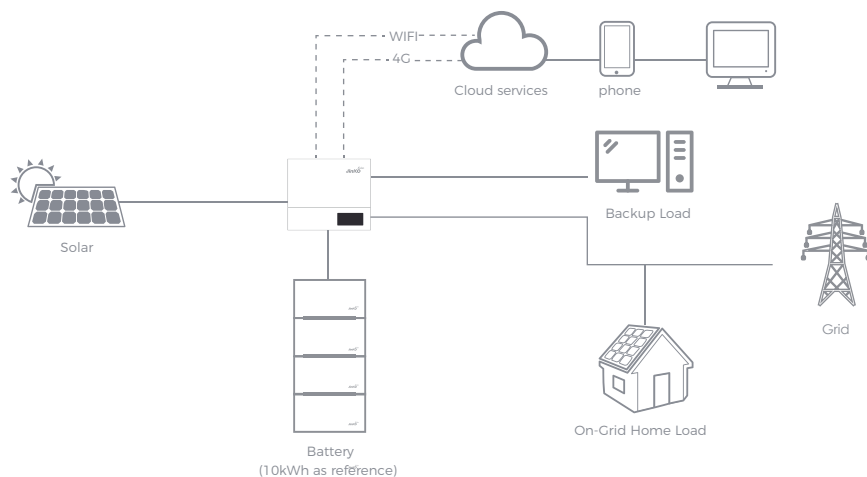
IP65 for perfect dusk and waterproof quality



HIGH SAFETY

Cobalt free LiFePO4 battery for safer usage

CIRCUIT DIAGRAM



SPECIFICATIONS

Model		JKS10.24K-5HLVS
System capacity		JKS10.24K-5HLVS
PV INPUT	Max.Recommended PV Module Power[W]	11600
	Start voltage[V]	120
	Max. PV voltage	550
	MPPT voltage range[V]	120-550V
	Max. input current of tracker A/B	13.5A/13.5A
	Max. Short-circuit current of tracker A/B	16.9A/16.9A*
	Number of independent MPP trackers / strings per MPP tracker	2/1
AC OUTPUT	Rated AC output power[W]	5000
	Rated Apparent power[VA]	5000
	Rated input/output current[A]	22/22
	Nominal AC output voltage[V]	230
	Nominal grid frequency	50/60HZ.±5HZ
	Power factor at rated power	1
	Displacement power factor	0.8 leading or lagging
	THDI	<3%
EPS OUTPUT POWER (BACKUP)	Rated Apparent power	4000VA
	Rated AC output voltage	230VAC
	Rated AC output frequency	50/60HZ
	Automatic switchover time	<16 ms
BATTERY DATA	Operating voltage range	47.2-56.8V
	Nominal voltage	51.2V
	Max charging and discharging current	100A
	Max charging and discharging power	4000W
	Battery type	LFP
	Capacity of battery	10.24kWh(4 battery pack parallel); Battery parallel number expandable from 1-10 Packs(2.56-25.64kWh)
EFFICIENCY	Max efficiency	97.60%
	Euro European efficiency	97.20%
GENERAL DATA	Dimensions (W / H / D)	PCS: 461/565/188mm Battery pack: 650/260/185mm
	Weight	PCS: 27kg Battery pack: 28kg
	Operating temperature range	PCS: -25 C ~+60 C Battery: -10 C ~+50 C "
	Altitude	2000 m
	Self-consumption	<3W
	Topology (solar)	Transformerless
	Cooling concept	Natural
	Environmental Protection Rating	IP65
	Relative humidity	100%
	Interfaces	RS232 / RS485 / CAN / USB
	Monitor	RF / WIFI / GPRS
	Warranty	PCS: 10 years Battery: 10 years

Note*: Internal testing shows that Suntank inverter series can accept short-circuit current per MPP tracker up to 18A as Isc.

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

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