

# SUNTANK

## JKS-3~6HLVS-ABI

### Inverter Series

**More powerful**  
**More efficient**

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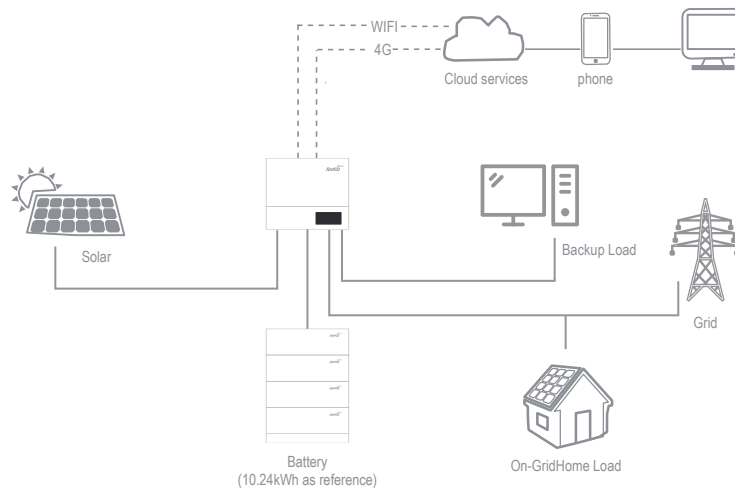
New intelligent platform use new energy

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## Key Features

- Smart load management via dry contact
- Scalable System configuration
- Remote smart O&M
- UPS function, 16ms transition
- VPP interface ready
- Max. 2.12 DC/AC ratio



# SPECIFICATIONS

System capacity	JKS-3HLVS-ABI	JKS-3.6HLVS-ABI	JKS-4HLVS-ABI	JKS-4.6HLVS-ABI	JKS-5HLVS-ABI	JKS-6HLVS-ABI
<b>INPUT DATA (PV)</b>						
Max. recommended PV power (for module STC)	6000W	7200W	7600W	8200W	11600W	11600W
Max. DC voltage	550V					
Start voltage	120V					
MPP voltage range	120-550V					
No. of MPP trackers	2					
No. of PV strings per MPP tracker	1					
Max. input current per MPP tracker	13.5A					
Max. short-circuit current per MPP tracker	16.9A*					
<b>OUTPUT DATA (AC)</b>						
AC nominal power	3000W	3600W	4000W	4600W	5000W	6000W
Rated apparent power	3000VA	3680VA	4000VA	4600VA	5000VA	6000VA
Nominal AC voltage (range)	230V/(180Vac-270Vac)					
AC grid frequency (range)	50Hz(45Hz-55Hz)					
Rated input/output current	13.5/13.5A	16/16A	17.5/17.5A	20/20A	22/22A	27/27A
Adjustable power factor	0.8leading~0.8lagging					
THDi	<3%					
AC grid connection type	Single phase					
<b>BATTERY DATA (DC)</b>						
Battery voltage range	42~59V					
Max charging and discharging current	66A	75A	85A	85A	85A	85A
Continuous charging and discharging power	3000W	3680W	4000W	4000W	4000W	4000W
Type of battery	Lithium /Lead-acid					
<b>BACKUP POWER (AC)</b>						
Rated Apparent Power	3000VA	3680VA	4000VA	4000VA	4000VA	4000VA
Rated output current	13A	16A	17.5A	17.5A	17.5A	17.5A
Nominal AC output voltage	230Vac					
Nominal AC output frequency	50HZ					
THDv	<3%					
Switch time	<16ms					
<b>EFFICIENCY</b>						
Max. efficiency	97.20%	97.20%	97.30%	97.40%	97.50%	97.60%
European efficiency	97%	97%	97.10%	97.10%	97.20%	97.20%
MPPT efficiency	≥99.5%					
<b>PROTECTION DEVICES</b>						
DC switch	Yes					
DC reverse polarity protection	Yes					
AC/DC surge protection	Yes					
Battery reverse protection	Yes					
AC short-circuit protection	Yes					
Ground fault monitoring	Yes					
Grid monitoring	Yes					
Anti-islanding protection	Yes					
Residual-current monitoring unit	Yes					
Insulation resistance monitoring	Yes					
<b>GENERAL DADA</b>						
Dimensions (W / H / D)	456/565/188mm					
Weight	27kg					
Operating temperature range	-25°C ~ +60°C					
Nighttime power consumption	< 10 W					
Topology	Transformerless					
Cooling	Natural					
Protection degree	IP65					
Relative humidity	0~100%					
Altitude	2000m					
Battery DC connection.	OT Terminal					
AC connection	Connector					
Display	LCD+LED					
Interfaces:RS485/CAN/USB	Yes					
Monitor : RF/WIFI/GPRS	Optional					
Country of Manufacture	China					
Certification	CE, IEC62109, G98/G99, VDE0126-1-1, AS4777, CEI 0-21, VDE-AR-N4105, UTE C 15-712, EN50549, IEC 61727, IEC 62116, IEC 62040, C10/11, NRS 097-2-1					

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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JKS-3-6HLVS-ABI-A3