

JKS-3~6HLVS-GI

Single -phase Low Voltage Inverter

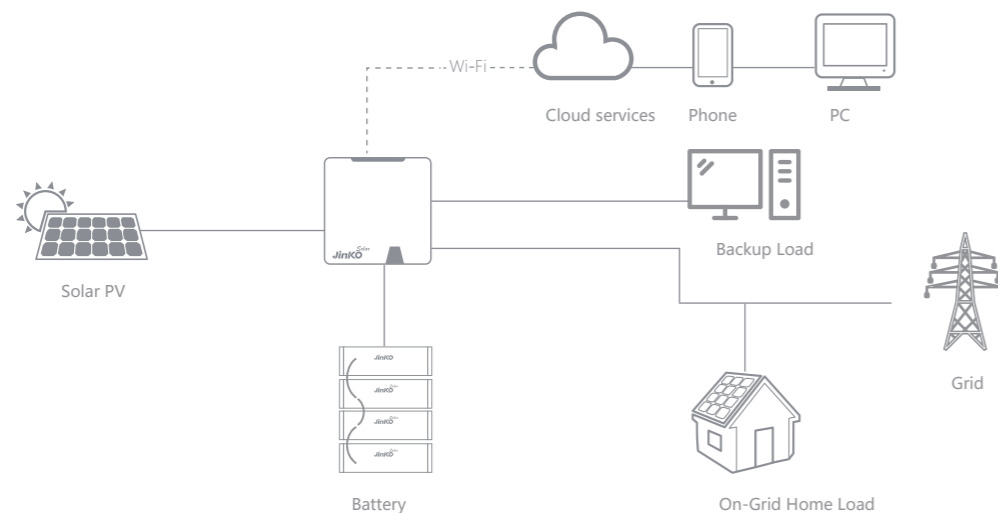


RELIABLE POWER SUPPLY
EPS output power goes up to 5kw

10 LONG LIFESPAN
Market leading 10-year warranty

SMART ENERGY MANAGEMNET
UPS switch time within 10ms when grid off

HIGH PROTECTION
IP66 (dust proof and water proof)



Model Name	JKS-3HLVS-GI	JKS-3.6HLVS-GI	JKS-4HLVS-GI	JKS-5HLVS-GI	JKS-6HLVS-GI
PV Input					
Max. Recommended PV Array Power	5500 Wp STC	6180 Wp STC	6500 Wp STC	7500 Wp STC	9000 Wp STC
Max. Input Voltage	550 V				
Rated Input Voltage	380 V				
MPPT Voltage Range	40 V - 530 V				
Start Voltage	50 V				
No. of independent MPPT Trackers / Strings per MPPT Input	2/1				
Max. Input Current per MPPT Tracker	16 A				
Max. Short-circuit Current per MPPT Tracker	20 A				
Battery Input					
Compatible Battery	JKS-B51100-GI				
Nominal Battery Voltage	48 V/51.2V				
Battery Voltage Range	40 V - 60 V				
Max. Charging Power	5000 W				
Max. Discharging Power	5000 W				
Max. Charging Current	100 A				
Max. Discharging Current	100 A				
AC Output					
Nominal AC Voltage	230 V				
AC Voltage Range	180 V - 280 V				
Rated AC Grid Frequency	50 Hz / 60 Hz				
Rated Active Power	3000 W	3680 W	4000 W	5000 W*1	6000 W
Rated Apparent Power	3000 VA	3680 VA	4000 VA	5000 VA*1	6000 VA
Max. Apparent Power	3000 VA	3680 VA	4000 VA	5000 VA*1	6000 VA
Rated Grid Output Current (@230V)	13.1 A	16 A	17.4 A	21.7 A*2	26.1A
Max. Grid Output Current	13.6 A	16 A	18.2 A	22.7 A*2	27.3A
AC Input					
Rated Apparent Power	6000 VA				
Max. Input Apparent Power from Grid	6000 VA				
Rated Input Current from Grid	a.c. 26.1A				
Max. Input Current from Grid	a.c. 27.3 A				
EPS Output					
Nominal Output Voltage	230 V				
Nominal Output Frequency	50 Hz / 60 Hz				
Rated Apparent Power	5000 VA				
Max. Output Apparent Power	5000 VA				
Peak Output Apparent Power	7500 VA, 10s				
Rated Current (@230V)	21.7 A				
Max. Output Current	21.7 A				
UPS Switch Time	≤ 10 ms				
Output THDi (@ Linear load)	< 3%				
Efficiency					
MPPT Efficiency	99.90%				
Max. Efficiency	97.60%				
Euro Efficiency	97.00%				
Protection					
Integrated	DC-side Disconnection Device, PV String- / Battery Input Reverse Polarity Protection, All-pole Sensitive Residual Current Monitoring Unit, Anti-islanding Protection, Ground Fault Protection, AC Output Over-current / Short Circuit Current Protection, AC Over-voltage Protection				
Overvoltage Category (as per IEC 62109-1)	I / AC: III; DC: II				
General Data					
Power Factor	≥0.99 / 0.8 leading to 0.8 lagging				
Dimensions (W / H / D)	483/455/193.5mm				
Device Weight	21.5 kg				
Operating Temperature Range	-25 °C ... +60 °C				
Noise Emissions (typical)	30 dB(A)				
Standby Consumption	< 10 W				
Cooling Concept	Natural Convection				
Protection Class (as per IEC 60529)	IP66				
Max. Permissible Value for Relative Humidity (non-condensing)	100%				
Communication with BMS	RS485 / CAN				

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

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