JKS-6~20H-EI

THREE PHASE HIGH VOLTAGE INVERTER SERIES

Wide Power Range

To cater to a wide range of energy demands, the power range spans from 6kW to 20kW.

100% Balance Output

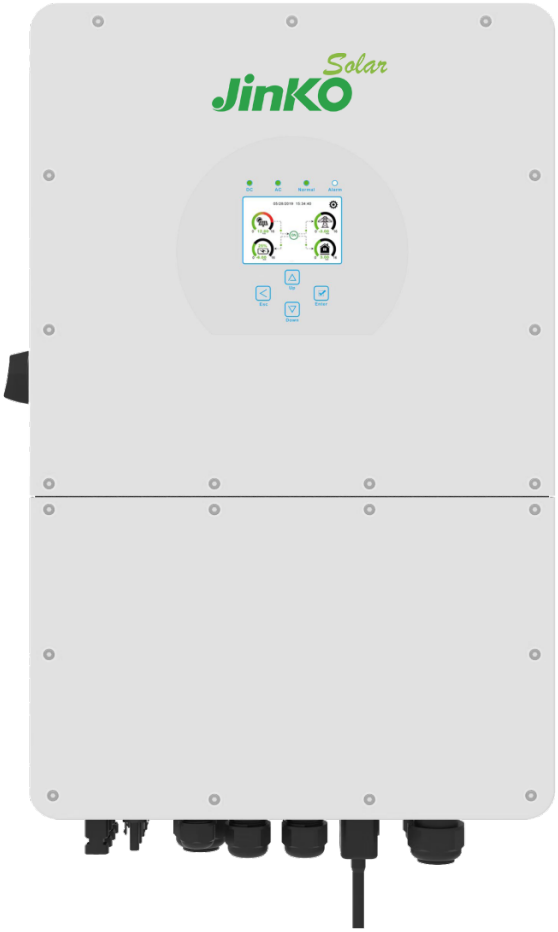
Up to 100% unbalanced output on each phase, with a maximum output of 50% of the inverter's rated power.

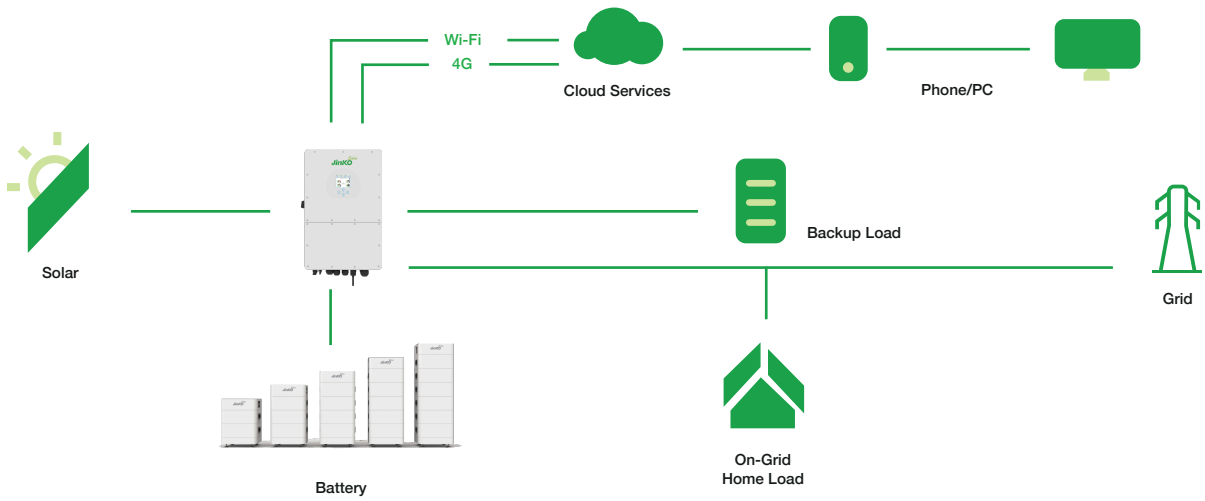
High Protection

IP65 (dust proof and water proof).

Intelligent Control & Flexibility

Configurable in multiple modes, accessible via web and mobile app for remote real-time monitoring. Offers versatility with five ports: PV, battery, diesel generator, a smart load & the grid connection.





Specifications

Model	JKS-6H-EI	JKS-8H-EI	JKS-10H-EI	JKS-12H-EI	JKS-15H-EI	JKS-20H-EI
Battery Input Data						
Battery Type	Li-Ion					
Battery Voltage Range	160-700 V					
Max. Charging Current	37 A					
Max. Discharging Current	37 A					
Number of Battery Input	1					
Charging Strategy for Li-Ion Battery	Self-adapation to BMS					
PV String Input Data						
Max. DC Input Power	7800 W	10400 W	13000 W	15600 W	19500 W	26000 W
Max. DC Input Voltage	1000 V					
Startup Voltage	180 V					
MPPT Range	150 V-850 V					
Full Load DC Voltage Range	195 V-850 V	260 V-850 V	325 V-850 V	340 V-850 V	420 V-850 V	500 V-850 V
Rated DC Input Voltage	600 V					
PV Input Current per MPPT	20 A+20 A			26 A+20 A		26 A+26 A
Max. PV Isc per MPPT	30 A+30 A			39 A+30 A		39 A+39 A
No. of MPP Trackers	2					
No. of Strings per MPP Tracker	1			2+1		2
AC Output Data						
Rated AC Output and UPS Power	6000 W	8000 W	10000 W	12000 W	15000 W	20000 W
Max. AC Output Power[1]	6600 W	8800 W	11000 W	13200 W	16500 W	22000 W
AC Output Rated Current[2]	9.1 A/8.7 A	12.2 A/11.6 A	15.2 A/14.5 A	18.2 A/17.4 A	22.8 A/21.8 A	30.4 A/29 A
Max. AC Output Current[2]	10 A/9.6 A	13.4 A/12.8 A	16.7 A/16 A	20 A/19.2 A	25 A/24 A	33.4 A/31.9 A
Max. 3-phase Unbalanced Output Current[3]	13 A	18 A	22 A	25 A	30 A	35 A
Max. Continuous AC Passthrough[4]	40 A				80 A	
Peak Power (Off-Grid)	1.5 time of rated power, 10 S					
Generator Input/Smart Load/AC Couple Current	9.1 A/40 A/9.1 A	12.2 A/40 A/12.2 A	15.2 A/40 A/15.2 A	18.2 A/80 A/18.2 A	22.8 A/80 A/22.8 A	30.4 A/80 A/30.4 A
Power Factor	0.8 leading to 0.8 lagging					
Output Frequency and Voltage	50/60Hz; 3L/N/PE 220/380, 230/400Vac					
Grid Type	Three Phase					
DC Injection Current	<0.5%1n					
Efficiency						
Max. Efficiency	97.60%					
Euro Efficiency	97.00%					
MPPT Efficiency	99.90%					
Protection						
Integrated	"PV Input Lightning Protection, Anti-Islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge Protection"					
Output Over Voltage Protection	DC Type II/AC Type III					
Certifications and Standards						
Grid Regulations	VDE 4105, VDE 0124, TOR OVE, 2016/631 EU, NA/EEA-NE7-CH, EN50549-1, NTS Type A, UNE 217001, UNE 217002, PPDS					
Safety EMC/ Standard	LVD, IEC/EN 61000-6-1/2/3/4, IEC/EN 61000-3-2/3/1112, EN 55011-1, IEC/EN 62109-1, IEC/EN 62109-2					
General Data						
Operating Temperature Range	-40~60°C, >45°C derating					
Cooling	Smart Cooling					
Noise	<45 dB					
Communication with BMS	RS485; CAN					
Weight	30.5 kg					
Size (WxHxD)	408 x 638 x 237 mm					
Protection Degree	IP65					
Installation Degree	Wall-mounted					
Warranty	5 years					

[1]For the Port Load, it is recommended to stay below 80% of the inverter's rated power when connecting loads to it.
[2]Per phase for 220/230V. Current provided by the inverter without grid.
[3]Maximum unbalanced current stand only by the inverter at the load port.
[4]Maximum current at the load port when grid is present.

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Note: Please read the safety and installation manual before using the product. We reserve the right of final interpretation. The specifications in datasheets are subject to change without notice.