

JKS-6~20H-EI

Three Phase High Voltage Inverter Series



WIDE POWER RANGE

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



HIGH FLEXIBILITY

Endowed with five different ports for a versatile usage: integrated PV module, Battery, Diesel Generator, Grid and Load port.



100% BALANCE OUTPUT

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



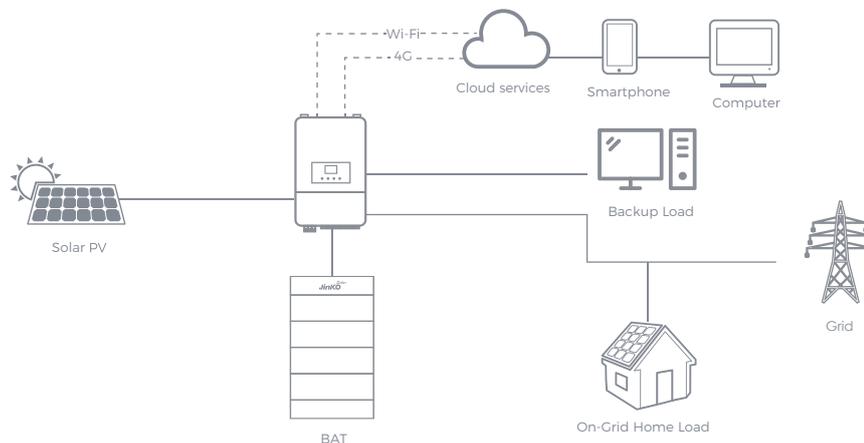
HIGH PROTECTION

IP65 (dust proof and water proof)



INTELLIGENT CONTROL

Configurable in multiple modes, accessible via web and mobile app for remote real-time monitoring



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 (V)	160-700					
Max. Charging Current (A)	37					
Max. Discharging Current (A)	37					
Number of battery input	1					
Charging Strategy for Li-Ion Battery	Self-adaption to BMS					
PV String Input Data						
Max. DC Input Power (W)	7800	10400	13000	15600	19500	26000
Max. DC Input Voltage (V)	1000					
Start-up Voltage (V)	180					
MPPT Range (V)	150-850					
Full Load DC Voltage Range (V)	195-850	260-850	325-850	340-850	420-850	500-850
Rated DC Input Voltage (V)	600					
PV Input Current per MPPT (A)	20+20				26+20	26+26
Max. PV Isc per MPPT (A)	30+30				39+30	39+39
No. of MPP Trackers	2					
No. of Strings per MPP Tracker	1				2+1	2
AC Output Data						
Rated AC Output and UPS Power (W)	6000	8000	10000	12000	15000	20000
Max. AC Output Power* (W)	6600	8800	11000	13200	16500	22000
AC Output Rated Current** (A)	9.1/8.7	12.2/11.6	15.2/14.5	18.2/17.4	22.8/21.8	30.4/29
Max. AC Output Rated Current**(A)	10/9.6	13.4/12.8	16.7/16	20/19.2	25/24	33.4/31.9
Max. 3-phase Unbalanced Output Current*** (A)	13	18	22	25	30	35
Max. Continuous AC Passthrough**** (A)	40				80	
Peak Power (off grid)	1.5 time of rated power, 10 S					
Generator input/Smart load /AC couple current (A)	9.1 / 40 / 9.1	12.2 / 40 / 12.2	15.2 / 40 / 15.2	18.2 / 80 / 18.2	22.8 / 80 / 22.8	30.4 / 80 / 30.4
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 (mA)	<0.5%In					
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 Regulation	VDE 4105, VDE 0124, TOR OVE, 2016/631 EU, NA/EEA-NE7-CH, EN50549-1.					
Safety EMC / Standard	LVD, IEC/EN 61000-6-1/2/3/4, IEC/EN 61000-3-2/3/11/12, EN 55011-1, IEC / EN 62109-1, IEC/EN 62109-2					
General Data						
Operating Temperature Range (C)	-40-60°C, >45°C derating					
Cooling	Smart cooling					
Noise (dB)	<45 dB					
Communication with BMS	RS485; CAN					
Weight (kg)	30.5					
Size (mm)	408W×638H×237D					
Protection Degree	IP65					
Installation Style	Wall-mounted					
Warranty	5 years					

*For the Load port, it is recommended to stay below 80% for the inverter's rated power when connecting loads directly to it.

**Per phase for 220/230V. Current provided by the inverter without grid.

***Maximum unbalanced current stand only by the inverter at the load port.

****Maximum current at the load port when grid is present.

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

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