

JKS-3.6K-SG03LP1-EU JKS-5K-SG03LP1-EU

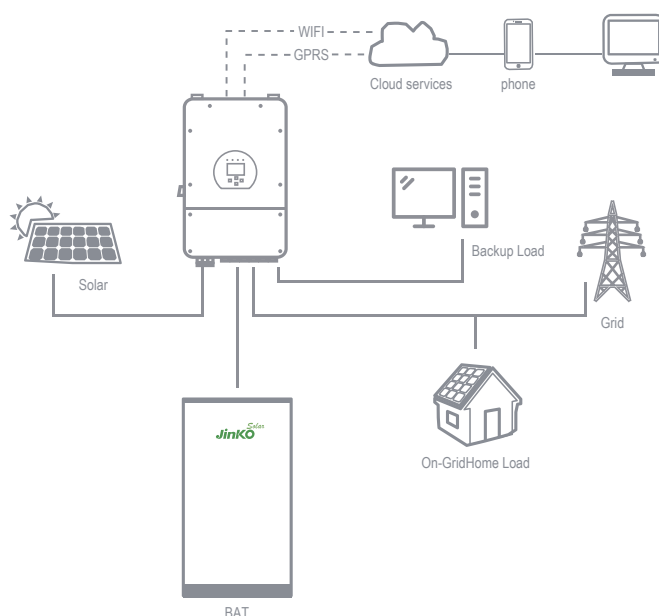
More powerful
More efficient

New intelligent platform use new energy



Key Features

- Colorful touch LCD, IP65 protection degree
- 6 time periods for battery charging/discharging
- DC coupled and AC couple to retrofit existing solar system
- Support storing energy from diesel generator



SPECIFICATIONS

Datasheet

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BATTERY INPUT DATE

Battery Type	Lead-acid or Li-Ion	
Battery Voltage Range(V)	40-60	
Max. Charging Current(A)	90	120
Max. Discharging Current(A)	90	120
Charging Curve	3 Stages / Equalization	
External Temperature Sensor	yes	
Charging Strategy for Li-Ion Battery	Self-adaption to BMS	

PV STRING INPUT DATA

Max. DC Input Power(W)	4680	6500
Rated PV Input Voltage(V)	370(125~500)	
MPPT Voltage Range(V)	150~425	
Full Load DC Voltage Range	300~425	
Start-up Voltage(V)	125	
PV Input Current(A)	13+13	
Max. PV ISC (A)	17+17	
No. of MPPT/Strings per MPPT	2/1+1	

AC OUTPUT DATA

Rated AC Output and UPS Power(W)	3600	5000
Max. AC Output Power(W)	3690	5500
Peak Power(off grid)	2 times of rated power, 10 S	
AC Output Rated Current(A)	16.4	22.7
Max. AC Current(A)	18	25
Max. Continuous AC Passthrough(A)	35A	
Power Factor	0.8 leading to 0.8 lagging	
Output Frequency and Voltage	50/60Hz; L/N/PE 220/230Vac (single phase)	
Grid Type	Single Phase	
DC injection current (mA)	THD<3% (Linear load<1.5%)	

EFFICIENCY

Max. Efficiency	97.60%
Euro Efficiency	97.00%
MPPT Efficiency	99.90%

PROTECTION

PV Input Lightning Protection	Integrated
Anti-islanding Protection	Integrated
PV String Input Reverse Polarity Protection	Integrated
Insulation Resistor Detection	Integrated
Residual Current Monitoring Unit	Integrated
Output Over Current Protection	Integrated
Output Shorted Protection	Integrated
Surge Protection	Integrated
Output Over Voltage Protection	DC Type II / AC Type II

CERTIFICATIONS AND STANDARDS

Grid Regulation	CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699, C10-11
EMC / Safety Regulation	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2

GENERAL DATA

Operating Temperature Range(°C)	-45~60°C, >45°C Derating
Cooling	Natural cooling
Noise(dB)	<30 dB
Communication with BMS	RS485; CAN
Weight(kg)	20.5
Size(mm)	330W×580H×232D
Protection Degree	IP65
Installation Style	Wall-mounted
Warranty	5 years

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

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