

JKS-8K-SG01LP1-EU

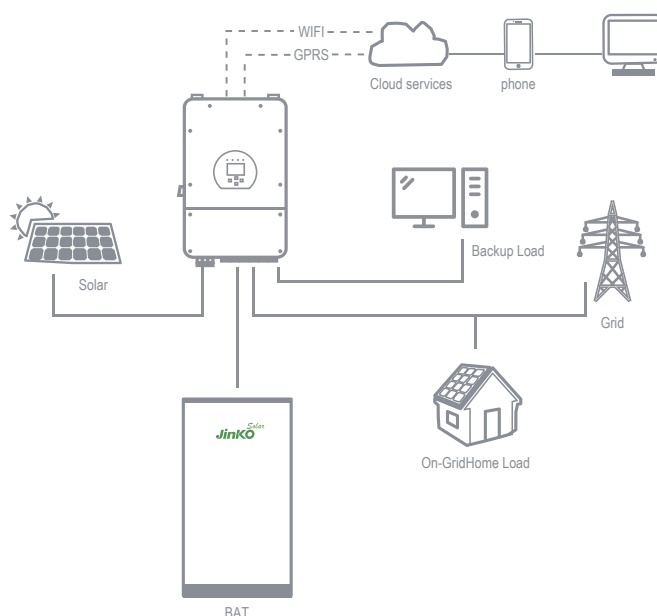
More powerful
More efficient

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)	40-60V
Max. Charging Current(A)	190A
Max. Discharging Current(A)	190A
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)	10400W
PV Input Voltage(V)	370V (125V~500V)
MPPT Range(V)	150~425V
Start-up Voltage(V)	125V
PV Input Current(A)	22A+22A
Max.PV ISC(A)	28A+28A
No. of MPPT Trackers	2
No. of Strings Per MPPT Tracker	2+2

AC OUTPUT DATA

Rated AC Output and UPS Power(W)	8000
Max. AC Output Power(W)	8800
Peak Power(off grid)	2 times of rated power, 10 S
AC Output Rated Current(A)	36.4
Max. AC Current(A)	40
Max. Continuous AC Passthrough(A)	50A
Power Factor	0.8 leading to 0.8 lagging
Output Frequency and Voltage	50/60Hz; 120/240Vac (split phase), 208Vac (2/3 phase), 220/230Vac (single phase)
Grid Type	Split phase; 2/3 phase; Single Phase
Current Harmonic Distortion	THD<3% (Linear load<1.5%)

EFFICIENCY

Max. Efficiency	97.60%
Euro Efficiency	97.00%
MPPT Efficiency	>99%

PROTECTION

PV Arc Fault Detection	Integrated
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	DC Type II / AC Type II

CERTIFICATIONS AND STANDARDS

Grid Regulation	EN50549, AS4777.2, VDE0126, IEC61727, VDEN4105, G99, NBT32004, CEI0-21, NRS097, NBR16149/16150, RD1699, IEEE 1547-2018, IEEE 1547.1-2020, UL 1699B, UL 1998
EMC / Safety Regulation	IEC62109-1/-2, EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, UL 1741, FCC

GENERAL DATA

Operating Temperature Range(°C)	-45~60°C, >45°C Derating
Cooling	Smart cooling
Noise(dB)	<30 dB
Communication with BMS	RS485; CAN
Weight(kg)	30
Size(mm)	445W×708H×233D
Protection Degree	IP65
Installation Style	Wall-mounted
Warranty	5 years

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

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