

# JKS-3~6HLVS-GI

Single Phase Low Voltage Inverter

*Solar*  
**JinKO**



## RELIABLE POWER SUPPLY

EPS output power goes up to 5kw



## LONG LIFESPAN

Market leading 10-year warranty<sup>1</sup>



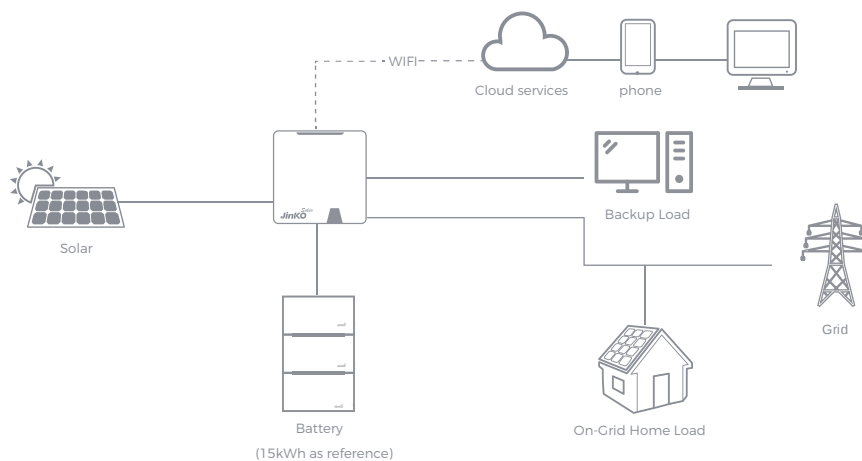
## SMART ENERGY MANAGEMENT

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                               | 6000 Wp STC                                                                                                                                                                                                                                                                          | 7200 Wp STC    | 8000 Wp STC  | 11600 Wp STC         | 11600 Wp STC |
| Max. Input Voltage                                            | 550V                                                                                                                                                                                                                                                                                 |                |              |                      |              |
| Rated Input Voltage                                           | 380V                                                                                                                                                                                                                                                                                 |                |              |                      |              |
| MPPT Voltage Range                                            | 40V-530V                                                                                                                                                                                                                                                                             |                |              |                      |              |
| Start Voltage                                                 | 50V                                                                                                                                                                                                                                                                                  |                |              |                      |              |
| No. of independent MPPT Trackers / Strings per MPPT Input     | 2/1                                                                                                                                                                                                                                                                                  |                |              |                      |              |
| Max. Input Current per MPPT Tracker                           | 16A                                                                                                                                                                                                                                                                                  |                |              |                      |              |
| Max. Short-circuit Current per MPPT Tracker                   | 20A                                                                                                                                                                                                                                                                                  |                |              |                      |              |
| Battery Input                                                 |                                                                                                                                                                                                                                                                                      |                |              |                      |              |
| Compatible Battery                                            | JKS-B51100-GI                                                                                                                                                                                                                                                                        |                |              |                      |              |
| Nominal Battery Voltage                                       | 48V / 51.2V                                                                                                                                                                                                                                                                          |                |              |                      |              |
| Battery Voltage Range                                         | 40V - 60V                                                                                                                                                                                                                                                                            |                |              |                      |              |
| Max. Charging Power                                           | 5000W                                                                                                                                                                                                                                                                                |                |              |                      |              |
| Max. Discharging Power                                        | 5000W                                                                                                                                                                                                                                                                                |                |              |                      |              |
| Max. Charging Current                                         | 100 A                                                                                                                                                                                                                                                                                |                |              |                      |              |
| Max. Discharging Current                                      | 100A                                                                                                                                                                                                                                                                                 |                |              |                      |              |
| AC Output                                                     |                                                                                                                                                                                                                                                                                      |                |              |                      |              |
| Nominal AC Voltage                                            | 230 V                                                                                                                                                                                                                                                                                |                |              |                      |              |
| AC Voltage Range                                              | 180 V to 280 V                                                                                                                                                                                                                                                                       |                |              |                      |              |
| Rated AC Grid Frequency                                       | 50 Hz / 60 Hz                                                                                                                                                                                                                                                                        |                |              |                      |              |
| Rated Active Power                                            | 3000 W                                                                                                                                                                                                                                                                               | 3680 W         | 4000 W       | 5000 W <sup>2</sup>  | 6000 W       |
| Rated Apparent Power                                          | 3000 VA                                                                                                                                                                                                                                                                              | 3680 VA        | 4000 VA      | 5000 VA <sup>2</sup> | 6000 VA      |
| Max. Apparent Power                                           | 3000 VA                                                                                                                                                                                                                                                                              | 3680 VA        | 4000 VA      | 5000 VA <sup>2</sup> | 6000 VA      |
| Rated Grid Output Current (@230V)                             | 13.1A                                                                                                                                                                                                                                                                                | 16A            | 17.4A        | 21.7A <sup>3</sup>   | 26.1A        |
| Max. Grid Output Current                                      | 13.6A                                                                                                                                                                                                                                                                                | 16A            | 18.2A        | 22.7A <sup>3</sup>   | 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%                                                                                                                                                                                                                                                                                  |                |              |                      |              |
| 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)                     | AC: III; DC: II                                                                                                                                                                                                                                                                      |                |              |                      |              |
| General Data                                                  |                                                                                                                                                                                                                                                                                      |                |              |                      |              |
| Power Factor                                                  | 0.8 leading to 0.8 lagging                                                                                                                                                                                                                                                           |                |              |                      |              |
| Dimensions (W / H / D)                                        | 483 / 455 / 193.5 mm                                                                                                                                                                                                                                                                 |                |              |                      |              |
| Device Weight                                                 | 25.1 kg                                                                                                                                                                                                                                                                              |                |              |                      |              |
| Operating Temperature Range                                   | -25 °C ~ +60 °C                                                                                                                                                                                                                                                                      |                |              |                      |              |
| Noise Emissions (typical)                                     | 30 dB(A)                                                                                                                                                                                                                                                                             |                |              |                      |              |
| Standby Consumption                                           | < 10 W                                                                                                                                                                                                                                                                               |                |              |                      |              |
| Country of Manufacture                                        | China                                                                                                                                                                                                                                                                                |                |              |                      |              |
| Protection Class (as per IEC 60529)                           | IP66                                                                                                                                                                                                                                                                                 |                |              |                      |              |
| Max. Permissible Value for Relative Humidity (non-condensing) | 100%                                                                                                                                                                                                                                                                                 |                |              |                      |              |
| Communication with BMS                                        | RS485 / CAN                                                                                                                                                                                                                                                                          |                |              |                      |              |

<sup>\*1</sup> For warranty terms and conditions please refer to clause 2. in *Limited Warranty for Residential- ESS-JKS-JKS-B51100-G1*.

<sup>\*2</sup> For VDE-AR-N4105, S<sub>max</sub>=S<sub>n</sub>=4600VA,P<sub>n</sub>=4600W    <sup>\*3</sup> For AS/NZS4772, I<sub>ac</sub> max=21.7A

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