

# SUNTANK

## JKS-3~6HLVS-ABI

### Inverter Series

**More powerful**  
**More efficient**

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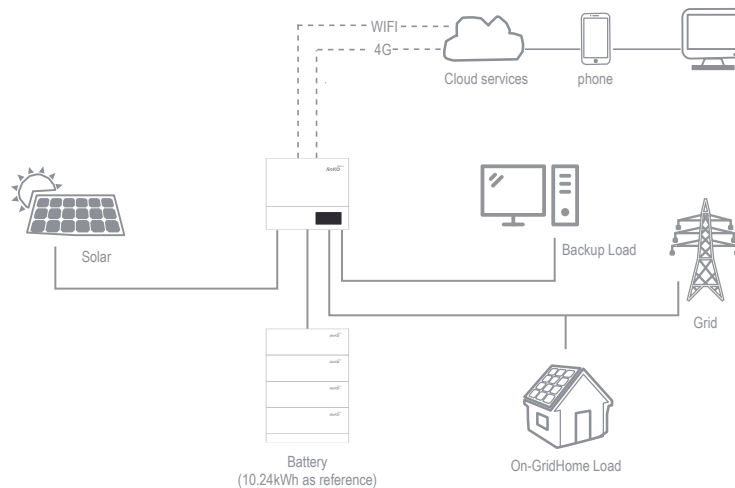
New intelligent platform use new energy

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## Key Features

- Smart load management via dry contact
- Scalable System configuration
- Remote smart O&M
- UPS function, 16ms transition
- VPP interface ready
- Max. 2.12 DC/AC ratio



# SPECIFICATIONS

| System capacity                            | JKS-3HLVS-ABI   | JKS-3.6HLVS-ABI | JKS-4HLVS-ABI | JKS-4.6HLVS-ABI | JKS-5HLVS-ABI | JKS-6HLVS-ABI |
|--|---|-----------------|---------------|-----------------|---------------|---------------|
| <b>INPUT DATA (PV)</b>                     |   |                 |               |                 |               |               |
| Max. recommended PV power (for module STC) | 6000W   | 7200W           | 7600W         | 8200W           | 10600W        | 10600W        |
| Max. DC voltage                            | 550V  |                 |               |                 |               |               |
| Start voltage                              | 120V  |                 |               |                 |               |               |
| MPP voltage range                          | 120-550V  |                 |               |                 |               |               |
| No. of MPP trackers                        | 2   |                 |               |                 |               |               |
| No. of PV strings per MPP tracker          | 1   |                 |               |                 |               |               |
| Max. input current per MPP tracker         | 13.5A   |                 |               |                 |               |               |
| Max. short-circuit current per MPP tracker | 16.9A*  |                 |               |                 |               |               |
| <b>OUTPUT DATA (AC)</b>                    |   |                 |               |                 |               |               |
| AC nominal power                           | 3000W   | 3600W           | 4000W         | 4600W           | 5000W         | 6000W         |
| Rated apparent power                       | 3000VA  | 3680VA          | 4000VA        | 4600VA          | 5000VA        | 6000VA        |
| Nominal AC voltage (range)                 | 230V/(180Vac-270Vac)  |                 |               |                 |               |               |
| AC grid frequency (range)                  | 50Hz(45Hz-55Hz)   |                 |               |                 |               |               |
| Rated input/output current                 | 13.5/13.5A  | 16/16A          | 17.5/17.5A    | 20/20A          | 22/22A        | 27/27A        |
| Adjustable power factor                    | 0.8leading~0.8lagging   |                 |               |                 |               |               |
| THDi                                       | <3%   |                 |               |                 |               |               |
| AC grid connection type                    | Single phase  |                 |               |                 |               |               |
| <b>BATTERY DATA (DC)</b>                   |   |                 |               |                 |               |               |
| Battery voltage range                      | 42~59V  |                 |               |                 |               |               |
| Max charging and discharging current       | 66A   | 75A             | 85A           | 85A             | 85A           | 85A           |
| Continuous charging and discharging power  | 3000W   | 3680W           | 4000W         | 4000W           | 4000W         | 4000W         |
| Type of battery                            | Lithium /Lead-acid  |                 |               |                 |               |               |
| <b>BACKUP POWER (AC)</b>                   |   |                 |               |                 |               |               |
| Rated Apparent Power                       | 3000VA  | 3680VA          | 4000VA        | 4000VA          | 4000VA        | 4000VA        |
| Rated output current                       | 13A   | 16A             | 17.5A         | 17.5A           | 17.5A         | 17.5A         |
| Nominal AC output voltage                  | 230Vac  |                 |               |                 |               |               |
| Nominal AC output frequency                | 50HZ  |                 |               |                 |               |               |
| THDv                                       | <3%   |                 |               |                 |               |               |
| Switch time                                | <16 ms  |                 |               |                 |               |               |
| <b>EFFICIENCY</b>                          |   |                 |               |                 |               |               |
| Max. efficiency                            | 97.20%  | 97.20%          | 97.30%        | 97.40%          | 97.50%        | 97.60%        |
| European efficiency                        | 97%   | 97%             | 97.10%        | 97.10%          | 97.20%        | 97.20%        |
| MPPT efficiency                            | ≥99.5%  |                 |               |                 |               |               |
| <b>PROTECTION DEVICES</b>                  |   |                 |               |                 |               |               |
| DC switch                                  | Yes   |                 |               |                 |               |               |
| DC reverse polarity protection             | Yes   |                 |               |                 |               |               |
| AC/DC surge protection                     | Yes   |                 |               |                 |               |               |
| Battery reverse protection                 | Yes   |                 |               |                 |               |               |
| AC short-circuit protection                | Yes   |                 |               |                 |               |               |
| Ground fault monitoring                    | Yes   |                 |               |                 |               |               |
| Grid monitoring                            | Yes   |                 |               |                 |               |               |
| Anti-islanding protection                  | Yes   |                 |               |                 |               |               |
| Residual-current monitoring unit           | Yes   |                 |               |                 |               |               |
| Insulation resistance monitoring           | Yes   |                 |               |                 |               |               |
| <b>GENERAL DADA</b>                        |   |                 |               |                 |               |               |
| Dimensions (W / H / D)                     | 456/565/188mm   |                 |               |                 |               |               |
| Weight                                     | 27kg  |                 |               |                 |               |               |
| Operating temperature range                | -25°C ~ +60°C   |                 |               |                 |               |               |
| Nighttime power consumption                | < 10 W  |                 |               |                 |               |               |
| Topology                                   | Transformerless   |                 |               |                 |               |               |
| Cooling                                    | Natural   |                 |               |                 |               |               |
| Protection degree                          | IP65  |                 |               |                 |               |               |
| Relative humidity                          | 0~100%  |                 |               |                 |               |               |
| Altitude                                   | 2000m   |                 |               |                 |               |               |
| Battery DC connection.                     | OT Terminal   |                 |               |                 |               |               |
| AC connection                              | Connector   |                 |               |                 |               |               |
| Display                                    | LCD+LED   |                 |               |                 |               |               |
| Interfaces:RS485/CAN/USB                   | Yes   |                 |               |                 |               |               |
| Monitor : RF/WIFI/GPRS                     | Optional  |                 |               |                 |               |               |
| Country of Manufacture                     | China   |                 |               |                 |               |               |
| Certification                              | CE, IEC62109, G98/G99, VDE0126-1-1, AS4777, CEI 0-21, VDE-AR-N4105, UTE C 15-712, EN50549, IEC 61727, IEC 62116, IEC 62040, C10/11, NRS 097-2-1 |                 |               |                 |               |               |

Note\*: Internal testing shows that Suntank inverter series can accept short-circuit current per MPP tracker up to 18A as Isc.

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

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