

# CERTIFICATE OF CONFORMITY

Issued to: Guangzhou Sanjing Electric Co., Ltd.  
No. 9, Lizhishan Road, Science City, Guangzhou High-tech Zone, Guangdong,  
China

For the product: Hybrid Inverter

Trade name: **SAJI**

Type/Model: EK60 H3-2.9K-LS2, EK60 H3-3K-LS2, EK60 H3-3.6K-LS2, EK60 H3-4K-LS2,  
EK60 H3-4.6K-LS2, EK60 H3-5K-LS2, EK60 H3-6K-LS2, EK60 H3-6K-LS2-IE

Ratings: See annex

Manufactured by: Guangzhou Sanjing Electric Co., Ltd.  
No. 9, Lizhishan Road, Science City, Guangzhou High-tech Zone, Guangdong,  
China

Factory: Guangzhou Sanjing Electric Co., Ltd.  
No. 9, Lizhishan Road, Science City, Guangzhou High-tech Zone, Guangdong,  
China

Requirements: EN 50549-1:2019  
EN 50549-1:2019/A1:2023  
EN 50549-10:2022

## Type of product certification scheme: Type 1a (Type approval)

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 4954902.50.

The examination has been carried out on one single specimen of the product. The Attestation does not include an assessment of the manufacturer's production. Conformity of this production with the specimen tested by DEKRA is not the responsibility of DEKRA.

This Test Certificate expires at the latest on 14 July 2031 or expires upon withdrawal of one of the above-mentioned standards.

Shanghai, 14 July 2026

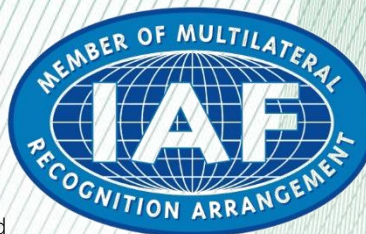
Number: 4954902.01COC

DEKRA Testing and Certification (Shanghai) Ltd.



Rosa Zhou  
Certification Manager

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PCA-141

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ESA-CER-F021 v4.1

**Ratings of the testing unit:**

| Model List and Ratings: |                                     |                                  |                |                  |                |
|-------------------------|-------------------------------------|----------------------------------|----------------|------------------|----------------|
| Model                   |                                     | EK60 H3-2.9K-LS2                 | EK60 H3-3K-LS2 | EK60 H3-3.6K-LS2 | EK60 H3-4K-LS2 |
| Battery                 | Battery type                        | Lead-acid or LiFePO4             |                |                  |                |
|                         | Battery Voltage Range [Vdc]         | 40 - 60                          |                |                  |                |
|                         | Rated Battery Voltage [Vdc]         | 51.2                             |                |                  |                |
|                         | Max. charge/discharge current [Adc] | 80                               | 80             | 90               | 100            |
|                         | Max. charge/discharge Power [kW]    | 2.94                             | 3.00           | 3.68             | 4.00           |
| PV input                | Max. PV input Voltage [Vdc]         | 600                              |                |                  |                |
|                         | Rated PV input Voltage [Vdc]        | 360                              |                |                  |                |
|                         | MPPT Voltage Range [Vdc]            | 80 - 550                         |                |                  |                |
|                         | Max. PV input current [Adc]         | 18/18                            |                |                  |                |
|                         | Isc current [Adc]                   | 25/25                            |                |                  |                |
|                         | Max. PV input power [kW]            | 4.64                             | 4.80           | 5.76             | 6.40           |
| AC terminal (On-grid)   | Rated Voltage [Vac]                 | 230V, L+N+PE                     |                |                  |                |
|                         | Rated Frequency [Hz]                | 50/60                            |                |                  |                |
|                         | Max. input current [Aac]            | 12.8                             | 15.0           | 16.4             | 20.0           |
|                         | Max. input Power [kW]               | 2.94                             | 3.00           | 3.68             | 4.00           |
|                         | Rated output current [Aac]          | 12.8                             | 13.0           | 16.0             | 17.4           |
|                         | Max. output current [Aac]           | 12.8                             | 14.3           | 16.0             | 19.1           |
|                         | Rated output Power [kW]             | 2.94                             | 3.0            | 3.68             | 4.0            |
|                         | Max. output Apparent power [kVA]    | 2.94                             | 3.3            | 3.68             | 4.4            |
|                         | Power factor                        | 0.8 leading to 0.8 lagging       |                |                  |                |
| Back-up                 | Rated output Voltage [Vac]          | 230V, L+N+PE                     |                |                  |                |
|                         | Rated Frequency [Hz]                | 50/60                            |                |                  |                |
|                         | Max. output current [Aac]           | 12.8                             | 14.3           | 16.0             | 16.0           |
|                         | Max. output Apparent power [kVA]    | 2.94                             | 3.30           | 3.68             | 3.68           |
|                         | Power factor                        | 0.8 leading to 0.8 lagging       |                |                  |                |
| General                 | Type of inverter                    | Non-isolated                     |                |                  |                |
|                         | Ingress Protection                  | IP66                             |                |                  |                |
|                         | Operating Temperature Range [°C]    | -40 to 60 (Derating above 45 °C) |                |                  |                |

| Model                 |                                     | EK60 H3-4.6K-LS2                 | EK60 H3-5K-LS2 | EK60 H3-6K-LS2 | EK60 H3-6K-LS2-IE |
|-----------------------|-------------------------------------|----------------------------------|----------------|----------------|-------------------|
| Battery               | Battery type                        | Lead-acid or LiFePO4             |                |                |                   |
|                       | Battery Voltage Range [Vdc]         | 40 - 60                          |                |                |                   |
|                       | Rated Battery Voltage [Vdc]         | 51.2                             |                |                |                   |
|                       | Max. charge/discharge current [Adc] | 110                              | 120            | 140            | 140               |
|                       | Max. charge/discharge Power [kW]    | 4.60                             | 5.00           | 6.00           | 5.75              |
| PV input              | Max. PV input Voltage [Vdc]         | 600                              |                |                |                   |
|                       | Rated PV input Voltage [Vdc]        | 360                              |                |                |                   |
|                       | MPPT Voltage Range [Vdc]            | 80 - 550                         |                |                |                   |
|                       | Max. PV input current [Adc]         | 18/18                            |                |                |                   |
|                       | Isc current [Adc]                   | 25/25                            |                |                |                   |
|                       | Max. PV input power [kW]            | 7.36                             | 8.0            | 9.6            | 9.6               |
| AC terminal (On-grid) | Rated Voltage [Vac]                 | 230V, L+N+PE                     |                |                |                   |
|                       | Rated Frequency [Hz]                | 50/60                            |                |                |                   |
|                       | Max. input current [Aac]            | 20.0                             | 25.0           | 30.0           | 30.0              |
|                       | Max. input Power [kW]               | 4.60                             | 5.00           | 6.00           | 5.75              |
|                       | Rated output current [Aac]          | 20.0                             | 21.7           | 26.1           | 25.0              |
|                       | Max. output current [Aac]           | 20.0                             | 21.7           | 28.7           | 25.0              |
|                       | Rated output Power [kW]             | 4.6                              | 4.999          | 6.0            | 5.75              |
|                       | Max. output Apparent power [kVA]    | 4.6                              | 4.999          | 6.6            | 5.75              |
|                       | Power factor                        | 0.8 leading to 0.8 lagging       |                |                |                   |
| Back-up               | Rated output Voltage [Vac]          | 230V, L+N+PE                     |                |                |                   |
|                       | Rated Frequency [Hz]                | 50/60                            |                |                |                   |
|                       | Max. output current [Aac]           | 16.0                             | 16.0           | 16.0           | 16.0              |
|                       | Max. output Apparent power [kVA]    | 3.68                             | 3.68           | 3.68           | 3.68              |
|                       | Power factor                        | 0.8 leading to 0.8 lagging       |                |                |                   |
| General               | Type of inverter                    | Non-isolated                     |                |                |                   |
|                       | Ingress Protection                  | IP66                             |                |                |                   |
|                       | Operating Temperature Range [°C]    | -40 to 60 (Derating above 45 °C) |                |                |                   |

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