



Product Service

# Attestation of Conformity

**No. N8A 086470 0171 Rev. 01****Holder of Attestation:** **Ginlong Technologies Co., Ltd.**

No.57 Jintong Road  
Binhai Industrial Park, Xiangshan  
315712 Ningbo, Zhejiang  
PEOPLE'S REPUBLIC OF CHINA

**Product:** **Converter****Hybrid Inverter****Model(s):**

S6-EH3P12K-H, S6-EH3P15K-H, S6-EH3P20K-H,  
S6-EH3P8K-LV-H, S6-EH3P10K-LV-H, S6-EH3P12K-LV-H,  
S6-EH3P8K-LV-ND-H, S6-EH3P10K-LV-ND-H, S6-EH3P12K-LV-ND-H,  
S6-EH3P12K-ND-H, S6-EH3P15K-ND-H, S6-EH3P20K-ND-H

**Parameters:**

Please see pages 2 to 5

**Tested**

EN 62109-1:2010

**according to:**

EN 62109-2:2011

This Attestation of Conformity is issued on a voluntary basis according to the Low Voltage Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits. It confirms that the listed equipment complies with the principal protection requirements of the directive and is based on the technical specifications applicable at the time of issuance. It refers only to the particular sample submitted for conformity assessment. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:**

50409230013224-01

**Date,**

2024-07-29

( Kai Zhao )

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| Model                                        | S6-EH3P12K-H                                           | S6-EH3P15K-H                                           | S6-EH3P20K-H                                           |
|----------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| <b>PV input</b>                              |                                                        |                                                        |                                                        |
| Max. input voltage                           | 1000 Vd.c.                                             | 1000 Vd.c.                                             | 1000 Vd.c.                                             |
| MPPT voltage range                           | 200, ..., 850 Vd.c.                                    | 200, ..., 850 Vd.c.                                    | 200, ..., 850 Vd.c.                                    |
| Max. input current                           | 4x20 Ad.c.                                             | 4x20 Ad.c.                                             | 4x20 Ad.c.                                             |
| Isc PV (absolute maximum)                    | 4x30 Ad.c.                                             | 4x30 Ad.c.                                             | 4x30 Ad.c.                                             |
| MPPT number/max input strings number         | 4/4                                                    | 4/4                                                    | 4/4                                                    |
| <b>Battery input</b>                         |                                                        |                                                        |                                                        |
| Battery type                                 | Li-ion                                                 |                                                        |                                                        |
| Battery voltage range                        | 120, ..., 800 Vd.c.                                    | 120, ..., 800 Vd.c.                                    | 120, ..., 800 Vd.c.                                    |
| Max. charge current                          | 50 Ad.c.                                               | 50 Ad.c.                                               | 50 Ad.c.                                               |
| Max. discharge current                       | 50 Ad.c.                                               | 50 Ad.c.                                               | 50 Ad.c.                                               |
| <b>AC output (Back-up)</b>                   |                                                        |                                                        |                                                        |
| Max.(rated) output power                     | 12000 W                                                | 15000 W                                                | 20000 W                                                |
| Nominal output voltage                       | 3/N/PE 220/380 Va.c.,<br>3/N/PE 230/400 Va.c.          |                                                        |                                                        |
| Nominal frequency                            | 50/60 Hz                                               |                                                        |                                                        |
| Max.(rated) output current                   | 18.2 Aa.c.@ 220/380 Va.c.<br>17.3 Aa.c.@ 230/400 Va.c. | 22.8 Aa.c.@ 220/380 Va.c.<br>21.7 Aa.c.@ 230/400 Va.c. | 30.4 Aa.c.@ 220/380 Va.c.<br>28.9 Aa.c.@ 230/400 Va.c. |
| <b>AC output (Grid side)</b>                 |                                                        |                                                        |                                                        |
| Max.(rated) apparent output power            | 12000 VA                                               | 15000 VA                                               | 20000 VA                                               |
| Nominal output voltage                       | 3/N/PE 220/380 Va.c.,<br>3/N/PE 230/400 Va.c.          |                                                        |                                                        |
| Nominal frequency                            | 50/60 Hz                                               |                                                        |                                                        |
| Max.(rated) output current                   | 18.2 Aa.c.@ 220/380 Va.c.<br>17.3 Aa.c.@ 230/400 Va.c. | 22.8 Aa.c.@ 220/380 Va.c.<br>21.7 Aa.c.@ 230/400 Va.c. | 30.4 Aa.c.@ 220/380 Va.c.<br>28.9 Aa.c.@ 230/400 Va.c. |
| <b>AC input (for Grid port and Gen port)</b> |                                                        |                                                        |                                                        |
| Nominal voltage                              | 3/N/PE 220/380 Va.c.,<br>3/N/PE 230/400 Va.c.          |                                                        |                                                        |
| Max.(rated) continuous current               | 27.3 Aa.c.@ 220/380 Va.c.<br>26.0 Aa.c.@ 230/400 Va.c. | 34.2 Aa.c.@ 220/380 Va.c.<br>32.5 Aa.c.@ 230/400 Va.c. | 45.6 Aa.c.@ 220/380 Va.c.<br>43.3 Aa.c.@ 230/400 Va.c. |
| Nominal frequency                            | 50/60 Hz                                               |                                                        |                                                        |
| <b>General</b>                               |                                                        |                                                        |                                                        |
| Power factor range                           | -0.8, ..., 1, ..., +0.8                                |                                                        |                                                        |
| Protective class                             | I                                                      |                                                        |                                                        |
| Ingress protection                           | IP 66                                                  |                                                        |                                                        |
| Operating temperature Range                  | -25°C, ..., +60 °C                                     |                                                        |                                                        |
| Max. operation altitude                      | 2000 m                                                 |                                                        |                                                        |

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|                                       |                         |                     |                     |
|---------------------------------------|-------------------------|---------------------|---------------------|
| Model                                 | S6-EH3P8K-LV-H          | S6-EH3P10K-LV-H     | S6-EH3P12K-LV-H     |
| PV input                              |                         |                     |                     |
| Max. input voltage                    | 1000 Vd.c.              | 1000 Vd.c.          | 1000 Vd.c.          |
| MPPT voltage range                    | 200, ..., 850 Vd.c.     | 200, ..., 850 Vd.c. | 200, ..., 850 Vd.c. |
| Max. input current                    | 4x16 Ad.c.              | 4x16 Ad.c.          | 4x20 Ad.c.          |
| Isc PV (absolute maximum)             | 4x24 Ad.c.              | 4x24 Ad.c.          | 4x30 Ad.c.          |
| MPPT number/max input strings number  | 4/4                     | 4/4                 | 4/4                 |
| Battery input                         |                         |                     |                     |
| Battery type                          | Li-ion                  |                     |                     |
| Battery voltage range                 | 120, ..., 800 Vd.c.     | 120, ..., 800 Vd.c. | 120, ..., 800 Vd.c. |
| Max. charge current                   | 50 Ad.c.                | 50 Ad.c.            | 50 Ad.c.            |
| Max. discharge current                | 50 Ad.c.                | 50 Ad.c.            | 50 Ad.c.            |
| AC output (Back-up)                   |                         |                     |                     |
| Max.(rated) output power              | 8000 W                  | 10000 W             | 12000 W             |
| Nominal output voltage                | 3/N/PE 133/230 Va.c.    |                     |                     |
| Nominal frequency                     | 50/60 Hz                |                     |                     |
| Max.(rated) output current            | 20.1 Aa.c               | 25.1 Aa.c.          | 30.1 Aa.c.          |
| AC output (Grid side)                 |                         |                     |                     |
| Max.(rated) apparent output power     | 8000 VA                 | 10000 VA            | 12000 VA            |
| Nominal output voltage                | 3/N/PE 133/230 Va.c.    |                     |                     |
| Nominal frequency                     | 50/60 Hz                |                     |                     |
| Max.(rated) output current            | 20.1 Aa.c               | 25.1 Aa.c.          | 30.1 Aa.c.          |
| AC input (for Grid port and Gen port) |                         |                     |                     |
| Nominal voltage                       | 3/N/PE 133/230 Va.c.    |                     |                     |
| Max.(rated) continuous current        | 30.1 Aa.c.              | 37.7 Aa.c.          | 45.2 Aa.c.          |
| Nominal frequency                     | 50/60 Hz                |                     |                     |
| General                               |                         |                     |                     |
| Power factor range                    | -0.8, ..., 1, ..., +0.8 |                     |                     |
| Protective class                      | I                       |                     |                     |
| Ingress protection                    | IP 66                   |                     |                     |
| Operating temperature Range           | -25°C, ..., +60 °C      |                     |                     |
| Max. operation altitude               | 2000 m                  |                     |                     |

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|---------------------------------------|--------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| Model                                 | S6-EH3P12K-ND-H                                        | S6-EH3P15K-ND-H                                        | S6-EH3P20K-ND-H                                        |
| PV input                              |                                                        |                                                        |                                                        |
| Max. input voltage                    | 1000 Vd.c.                                             | 1000 Vd.c.                                             | 1000 Vd.c.                                             |
| MPPT voltage range                    | 200, ..., 850 Vd.c.                                    | 200, ..., 850 Vd.c.                                    | 200, ..., 850 Vd.c.                                    |
| Max. input current                    | 4x20 Ad.c.                                             | 4x20 Ad.c.                                             | 4x20 Ad.c.                                             |
| Isc PV (absolute maximum)             | 4x30 Ad.c.                                             | 4x30 Ad.c.                                             | 4x30 Ad.c.                                             |
| MPPT number/max input strings number  | 4/4                                                    | 4/4                                                    | 4/4                                                    |
| Battery input                         |                                                        |                                                        |                                                        |
| Battery type                          | Li-ion                                                 |                                                        |                                                        |
| Battery voltage range                 | 120, ..., 800 Vd.c.                                    | 120, ..., 800 Vd.c.                                    | 120, ..., 800 Vd.c.                                    |
| Max. charge current                   | 50 Ad.c.                                               | 50 Ad.c.                                               | 50 Ad.c.                                               |
| Max. discharge current                | 50 Ad.c.                                               | 50 Ad.c.                                               | 50 Ad.c.                                               |
| AC output (Back-up)                   |                                                        |                                                        |                                                        |
| Max.(rated) output power              | 12000 W                                                | 15000 W                                                | 20000 W                                                |
| Nominal output voltage                | 3/N/PE 220/380 Va.c.,<br>3/N/PE 230/400 Va.c.          |                                                        |                                                        |
| Nominal frequency                     | 50/60 Hz                                               |                                                        |                                                        |
| Max.(rated) output current            | 18.2 Aa.c.@ 220/380 Va.c.<br>17.3 Aa.c.@ 230/400 Va.c. | 22.8 Aa.c.@ 220/380 Va.c.<br>21.7 Aa.c.@ 230/400 Va.c. | 30.4 Aa.c.@ 220/380 Va.c.<br>28.9 Aa.c.@ 230/400 Va.c. |
| AC output (Grid side)                 |                                                        |                                                        |                                                        |
| Max.(rated) apparent output power     | 12000 VA                                               | 15000 VA                                               | 20000 VA                                               |
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| AC input (for Grid port and Gen port) |                                                        |                                                        |                                                        |
| Nominal voltage                       | 3/N/PE 220/380 Va.c.,<br>3/N/PE 230/400 Va.c.          |                                                        |                                                        |
| Max.(rated) continuous current        | 27.3 Aa.c.@ 220/380 Va.c.<br>26.0 Aa.c.@ 230/400 Va.c. | 34.2 Aa.c.@ 220/380 Va.c.<br>32.5 Aa.c.@ 230/400 Va.c. | 45.6 Aa.c.@ 220/380 Va.c.<br>43.3 Aa.c.@ 230/400 Va.c. |
| Nominal frequency                     | 50/60 Hz                                               |                                                        |                                                        |
| General                               |                                                        |                                                        |                                                        |
| Power factor range                    | -0.8, ..., 1, ..., +0.8                                |                                                        |                                                        |
| Protective class                      | I                                                      |                                                        |                                                        |
| Ingress protection                    | IP 66                                                  |                                                        |                                                        |
| Operating temperature Range           | -25°C, ..., +60 °C                                     |                                                        |                                                        |
| Max. operation altitude               | 2000 m                                                 |                                                        |                                                        |

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| PV input                              |                         |                     |                     |
| Max. input voltage                    | 1000 Vd.c.              | 1000 Vd.c.          | 1000 Vd.c.          |
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| MPPT number/max input strings number  | 4/4                     | 4/4                 | 4/4                 |
| Battery input                         |                         |                     |                     |
| Battery type                          | Li-ion                  |                     |                     |
| Battery voltage range                 | 120, ..., 800 Vd.c.     | 120, ..., 800 Vd.c. | 120, ..., 800 Vd.c. |
| Max. charge current                   | 50 Ad.c.                | 50 Ad.c.            | 50 Ad.c.            |
| Max. discharge current                | 50 Ad.c.                | 50 Ad.c.            | 50 Ad.c.            |
| AC output (Back-up)                   |                         |                     |                     |
| Max.(rated) output power              | 8000 W                  | 10000 W             | 12000 W             |
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| General                               |                         |                     |                     |
| Power factor range                    | -0.8, ..., 1, ..., +0.8 |                     |                     |
| Protective class                      | I                       |                     |                     |
| Ingress protection                    | IP 66                   |                     |                     |
| Operating temperature Range           | -25°C, ..., +60 °C      |                     |                     |
| Max. operation altitude               | 2000 m                  |                     |                     |

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