

# Compliance Document

No. D 086470 0190 Rev. 00

**Holder of Certificate:** **Ginlong Technologies Co., Ltd.**

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PEOPLE'S REPUBLIC OF CHINA

**Product:** **Converter**  
**Hybrid Inverter**

This Compliance document confirms the compliance with the listed standards on a voluntary basis. It refers only to the sample submitted for testing and certification and does not certify the quality or safety of the serial products. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 4840923357200

**Date,** 2024-06-04



( Ming Gu )

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**Model(s):** S6-EH1P9.9K03-NV-YD-L, S6-EH1P12K03-NV-YD-L,  
S6-EH1P14K03-NV-YD-L, S6-EH1P16K03-NV-YD-L

## Parameters:

| Model  | S6-EH1P9.9K03-NV-YD-L | S6-EH1P12K03-NV-YD-L |
|--|-----------------------|----------------------|
| <b>PV-Input</b>                              |                       |                      |
| Max. input voltage d.c.                      | 550 V                 |                      |
| Mppt voltage range d.c.                      | 80-520 V              |                      |
| Max. input current d.c.                      | 3x40 A                | 3x40 A               |
| Isc PV (absolute maximum) d.c.               | 3x50 A                | 3x50 A               |
| <b>Battery</b>                               |                       |                      |
| Battery type                                 | Li-ion/Lead-acid      |                      |
| Battery Voltage range d.c.                   | 40-60V                |                      |
| Max. Charge/discharge current d.c.           | 208A /208A            | 250A /250A           |
| <b>AC-Output (Back-up)</b>                   |                       |                      |
| Max. /Rated output power a.c.                | 9900W                 | 12000W               |
| Nominal output voltage a.c.                  | 1/N/PE,220V/230V      | 1/N/PE,220V/230V     |
| Nominal Frequency                            | 50/60Hz               | 50/60Hz              |
| Max. /Rated output current a.c.              | 45A/43.1A             | 54.5A/52.2A          |
| <b>AC-Output (Grid side)</b>                 |                       |                      |
| Max. /Rated apparent output power a.c.       | 9900VA                | 12000VA              |
| Nominal output voltage a.c.                  | 1/N/PE,220V/230V      | 1/N/PE,220V/230V     |
| Nominal Frequency                            | 50/60Hz               | 50/60Hz              |
| Max. /Rated output current a.c.              | 45A/43.1A             | 54.5A/52.2A          |
| Power factor range                           | -0.8...1...+ 0.8      |                      |
| Protective class                             | I                     |                      |
| Ingress protection                           | IP66                  |                      |
| Ambient temperature                          | -25...+60°C           |                      |
| <b>AC-Input (For grid port and Gen port)</b> |                       |                      |
| Nominal voltage a.c.                         | 1/N/PE,220V/230V      |                      |
| Grid Max. /Rated continuous current          | 67.5A/64.5A           | 81.8A/78.3A          |
| Gen Max. /Rated continuous current           | 45A/43.1A             | 54.5A/52.2A          |
| Nominal Frequency                            | 50/60Hz               |                      |

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| Model  | S6-EH1P14K03-NV-YD-L | S6-EH1P16K03-NV-YD-L |
|--|----------------------|----------------------|
| <b>PV-Input</b>                              |                      |                      |
| Max. input voltage d.c.                      | 550 V                |                      |
| Mppt voltage range d.c.                      | 80-520 V             |                      |
| Max. input current d.c.                      | 3x40 A               | 3x40 A               |
| Isc PV (absolute maximum) d.c.               | 3x50 A               | 3x50 A               |
| <b>Battery</b>                               |                      |                      |
| Battery type                                 | Li-ion/Lead-acid     |                      |
| Battery Voltage range d.c.                   | 40-60V               |                      |
| Max. Charge/discharge current d.c.           | 290A /290A           | 290A /290A           |
| <b>AC-Output (Back-up)</b>                   |                      |                      |
| Max. /Rated output power a.c.                | 14000W               | 16000W               |
| Nominal output voltage a.c.                  | 1/N/PE,220V/230V     | 1/N/PE,220V/230V     |
| Nominal Frequency                            | 50/60Hz              | 50/60Hz              |
| Max. /Rated output current a.c.              | 63.6A/60.9A          | 72.7A/69.6A          |
| <b>AC-Output (Grid side)</b>                 |                      |                      |
| Max. /Rated apparent output power a.c.       | 14000VA              | 16000VA              |
| Nominal output voltage a.c.                  | 1/N/PE,220V/230V     | 1/N/PE,220V/230V     |
| Nominal Frequency                            | 50/60Hz              | 50/60Hz              |
| Max. /Rated output current a.c.              | 63.6A/60.9A          | 72.7A/69.6A          |
| Power factor range                           | -0.8...1...+ 0.8     |                      |
| Protective class                             | I                    |                      |
| Ingress protection                           | IP66                 |                      |
| Ambient temperature                          | -25...+60°C          |                      |
| <b>AC-Input (For grid port and Gen port)</b> |                      |                      |
| Nominal voltage a.c.                         | 1/N/PE,220V/230V     |                      |
| Grid Max. /Rated continuous current          | 95.5A/91.3A          | 109.1A/104.3A        |
| Gen Max. /Rated continuous current           | 63.6A/60.9A          | 72.7A/69.6A          |
| Nominal Frequency                            | 50/60Hz              |                      |

**Tested according to:**

IEC 61000-6-1:2016  
 IEC 61000-6-2:2016  
 IEC 61000-6-3:2020  
 IEC 61000-6-4:2018  
 IEC 61000-3-2:2018/AMD1:2020  
 IEC 61000-3-12:2011/AMD1:2021  
 IEC 61000-3-3:2013/AMD2:2021  
 IEC 61000-3-11:2017  
 IEC 62920:2017/A1:2021