



Product Service

# Attestation of Conformity

**No. E8A 118803 0022 Rev. 00****Holder of Attestation: HDL Automation Co., Ltd.**

No.86 Lotus west Road, Lifeng Street, Shilou Town  
Panyu District  
511447 Guangzhou  
PEOPLE'S REPUBLIC OF CHINA

**Name of Object: Converter  
(Hybrid inverter)**

This Attestation of Conformity is issued on a voluntary basis according to the Directive 2014/30/EU relating to electromagnetic compatibility. It confirms that the listed apparatus 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.:** 64772233083601**Date,** 2024-11-06

( Tony Liu )

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This Attestation does not replace the regulatory EU Declaration of Conformity (DoC) and does not allow for CE marking. After preparation of the necessary documentation and establishing compliance to requirements of all applicable directives, the manufacturer may sign a DoC and apply the CE marking. The DoC is issued under the sole responsibility of the manufacturer.



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**Model(s):** ME-GSE-S5K, ME-GSE-S4.6K, ME-GSE-S3.6K

## Description of Object:

| Model   | ME-GSE-S5K                       | ME-GSE-S4.6K     | ME-GSE-S3.6K       |
|---|----------------------------------|------------------|--------------------|
| PV input terminal parameters:   |                                  |                  |                    |
| Maximum input power [kW]  | 5.5                              | 4.8              | 3.8                |
| Maximum input voltage [VDC]   | 550                              |                  |                    |
| Rated input voltage [VDC]   | 380                              |                  |                    |
| MPPT voltage range [VDC]  | 90-500                           |                  |                    |
| MPPT voltage range (full load) [VDC]  | 220-500                          |                  |                    |
| Maximum input current [ADC]   | 13                               |                  |                    |
| Isc PV [ADC]  | 18                               |                  |                    |
| Battery terminal parameters:  |                                  |                  |                    |
| Battery voltage range [VDC]   | 450-550                          |                  |                    |
| Rated voltage [VDC]   | 450                              |                  |                    |
| Maximum charging power [kW]   | 5.5                              | 4.8              | 3.8                |
| Maximum continuous charging current [ADC]   | 13                               | 12               | 10                 |
| Maximum discharging power [kW]  | 5                                | 4.6              | 3.6                |
| Maximum continuous discharging current [ADC]  | 13                               | 12               | 10                 |
| AC terminal parameters:   |                                  |                  |                    |
| Rated voltage [VAC]   | 220/ 230/ 240, 1P+N+PE           |                  |                    |
| Rated frequency [Hz]  | 50/ 60                           |                  |                    |
| Maximum continuous input current [AAC]  | 25 /23.9 /22.9                   | 21.8/ 20.8/ 20.0 | 17.3/ 16.5/ 15.8   |
| Maximum input active power [kW]   | 5.5                              | 4.8              | 3.8                |
| Maximum continuous output current [AAC]   | 22.7/ 21.7/ 20.8                 | 20.9/ 20.0/ 19.2 | 16.4 / 15.7 / 15.0 |
| Maximum continuous output active power [kW]   | 5                                | 4.6              | 3.6                |
| Power factor  | 0.85 inductive - 0.85 capacitive |                  |                    |
| General   |                                  |                  |                    |
| Operating temperature range   | -25~+60°C (derating above 45°C)  |                  |                    |
| Protective class  | Class I                          |                  |                    |
| Ingress protection  | IP65                             |                  |                    |
| Remark: The certificate is only valid if no transmitting radio equipment is included in the device (BT,WiFi, 4G, RFID.etc). |                                  |                  |                    |



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**Tested  
according to:**

EN IEC 61000-6-2:2019  
 EN IEC 61000-6-3:2021  
 EN 62920:2017/A1:2021

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