

# CERTIFICATE OF CONFORMITY

Issued to: HDL Automation Co., Ltd.  
No.86 Lotus west Road, Lifeng Street, Shilou Town, Panyu District, 511447  
Guangzhou, Guangdong, China

For the product: Hybrid inverter

Trade name: 

Type/Model: ME-GSE-S5K, ME-GSE-S4.6K, ME-GSE-S3.6K

Ratings: See the annex

Manufactured by: HDL Automation Co., Ltd.  
No.86 Lotus west Road, Lifeng Street, Shilou Town, Panyu District, 511447  
Guangzhou, Guangdong, China

Requirements: EN 50549-1:2019  
EN 50549-1:2019/C1:2019  
EN 50549-1:2019/A1:2023

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 4924033.51.

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 7 March 2030 or expires upon withdrawal of one of the above-mentioned standards.

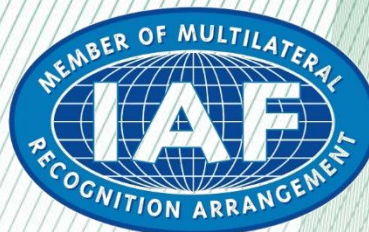
Shanghai, 7 March 2025

Number: 4924033.02COC

DEKRA Testing and Certification (Shanghai) Ltd.



Rosa Zhou  
Certification Manager



PCA-141

© Integral publication of this certificate and adjoining reports is allowed

DEKRA Testing and Certification (Shanghai) Ltd.  
No.250, Jiangchangsan Road, Jing'an District, Shanghai, 200436 People's Republic of China  
T +86 21 6056 7600 F +86 21 6056 7555 [www.dekra-product-safety.com](http://www.dekra-product-safety.com)  
ESA-CER-F021 v4.1

## Annex to 4924033.02COC

The subject of the certification described above complies with the requirements of the following documents for type A PGM installations:

- Commission Regulation (EU) 2016/631 of 14 April 2016 establishing a network code on requirements for grid connection of generators (Journal of Laws UE L 112/1 of 27 April 2016) (NC RfG);
- Electricity Grid Code of Netherlands:2025-02.

### Ratings of the testing Power Conversion System:

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]	13/13		
Isc PV [ADC]	18/18		
Battery terminal parameters:			
Battery voltage range [VDC]	450-550		
Rated voltage [VDC]	450		
Maximum input power [kW]	5	4.6	3.6
Maximum continuous input current [ADC]	11.1	10.2	8
Maximum output power [kW]	5.5	4.8	3.8
Maximum continuous output current [ADC]	12.2	10.6	8.4
AC terminal parameters:			
Rated voltage [VAC]	220/ 230/ 240, 1P+N+PE		
Rated frequency [Hz]	50/ 60		
Maximum continuous input current [AAC]	22.7	20.9	16.3
Maximum input power [kVA]	5	4.6	3.6
Maximum continuous output current [AAC]	25	21.8	17.3
Maximum continuous output power [kVA]	5.5	4.8	3.8
Power factor	0.85 lagging - 0.85 leading		
General			
Operating temperature range	-25~+60°C (derating above 40°C)		
Protective class	Class I		
Ingress protection	IP65		

--- End ---