

ATTESTATION OF CONFORMITY

Issued to: Zhejiang Chisage New Energy Technology Co., Ltd.
No.1828, Fuqing South Road, Panhuo Street, Yinzhou District, 315000 Ningbo
City Zhejiang, China

For the product: Hybrid Inverter

Trade name:  **CHISAGE ESS**

Type/Model: Merc-20G1A-HE, Merc-25G1A-HE, Merc-29.9G1A-HE, Merc-30G1A-HE,
Merc-35G1A-HE, Merc-40G1A-HE, Merc-50G1A-HE, Merc-60G1A-HE

Ratings: See Annex

Manufactured by: Zhejiang Chisage New Energy Technology Co., Ltd.
No.1828, Fuqing South Road, Panhuo Street, Yinzhou District, 315000 Ningbo
City Zhejiang, China

Subject: Complete evaluation of electrical system of the appliances

Requirements: IEC 62109-1:2010, EN 62109-1:2010
IEC 62109-2:2011, EN 62109-2:2011

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in a test file / test report no. 6242013.53A, 6242013.53B

This Attestation implies that the examined types are in accordance with the standards designated under the Low Voltage Directive (LVD) 2014/35/EU.

The examination has been carried out on one single specimen or several specimens of the product, submitted by the manufacturer. 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 document does not authorize the use of any DEKRA approved mark.

Arnhem, 17 November 2025

Number: 6242013.04AOC

DEKRA Testing and Certification (Shanghai) Ltd.



Cliff Lin
Certification Manager

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Annex

Document no. : 6242013.04AOC

Specification of the product:

Type	Merc-20G1A-HE	Merc-25G1A-HE	Merc-29.9G1A-HE	Merc-30G1A-HE
PV Input:				
Max. Voltage	900 Vdc			
MPPT Voltage Range	150 – 850 Vdc			
Max. Current	3 x (18+18) A			
Isc PV	3 x (27,5+27,5) A			
AC Input (from grid):				
Rated Voltage	3L / N / PE, 230 / 400 Vac			
Frequency	50 / 60 Hz			
Rated Current	29 A	36,2 A	43,3 A	43,5 A
AC Output (to grid):				
Rated Voltage	3L / N / PE, 230 / 400 Vac			
Frequency	50 / 60 Hz			
Rated Current	29 A	36,2 A	43,3 A	43,5 A
Rated Power	20 kW	25 kW	29,9 kW	30 kW
Power Factor	0,8 leading to 0,8 lagging			
AC Output (Stand alone):				
Rated Voltage	3L / N / PE, 230 / 400 Vac			
Frequency	50 / 60 Hz			
Rated Current	29 A	36,2 A	43,3 A	43,5 A
Rated Power	20 kW	25 kW	29,9 kW	30 kW
Battery:				
Battery Type	Lead-acid or Li-ion			
Operating Voltage	160 – 800 Vdc			
Max. charge / discharge current	120 A			
General Data:				
Topology	Transformerless			
Protective class	Class I			
Ingress protection (IP) rating	IP65			
Operating temperature	-45 to 60°C (>45 derating)			
Altitude	2000 m			
Dimension (W x H x D)	976 mm x 665 mm x 371 mm			
Weight	109,3 kg			

Annex

Document no. : 6242013.04AOC

Specification of the product:

Type	Merc-35G1A-HE	Merc-40G1A-HE	Merc-50G1A-HE	Merc-60G1A-HE
PV Input:				
Max. Voltage	900 Vdc			
MPPT Voltage Range	150 – 850 Vdc			
Max. Current	4 x (18+18) A		5 x (18+18) A	
Isc PV	4 x (27,5+27,5) A		5 x (27,5+27,5) A	
AC Input (from grid):				
Rated Voltage	3L / N / PE, 230 / 400 Vac			
Frequency	50 / 60 Hz			
Rated Current	50,8 A	58 A	72 A	87 A
AC Output (to grid):				
Rated Voltage	3L / N / PE, 230 / 400 Vac			
Frequency	50 / 60 Hz			
Rated Current	50,8 A	58 A	72 A	87 A
Rated Power	35 kW	40 kW	50 kW	60 kW
Power Factor	0,8 leading to 0,8 lagging			
AC Output (Stand alone):				
Rated Voltage	3L / N / PE, 230 / 400 Vac			
Frequency	50 / 60 Hz			
Rated Current	50,8 A	58 A	72 A	87 A
Rated Power	35 kW	40 kW	50 kW	60 kW
Battery:				
Battery Type	Lead-acid or Li-ion			
Operating Voltage	160 – 800 Vdc			
Max. charge / discharge current	120 A			
General Data:				
Topology	Transformerless			
Protective class	Class I			
Ingress protection (IP) rating	IP65			
Operating temperature	-45 to 60°C (>45 derating)			
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End