

# ATTESTATION OF CONFORMITY

Issued to: Hangzhou Livoltek Power Co., Ltd.  
1418-35 Moganshan Road, Shangcheng Industrial Zone, 310011 Hangzhou,  
Zhejiang Province, P.R. China

For the product: Hybrid Inverter

Trade name: **LIVOLTEK**

Type/Model: Hyper-2000, Hyper-3000, Hyper-3680, Hyper-4600, Hyper-5000, Hyper-6000,  
Retro-2000, Retro-3000, Retro-3680, Retro-4600, Retro-5000, Retro-6000.

Ratings: See Annex

Manufactured by: Hangzhou Livoltek Power Co., Ltd.  
1418-35 Moganshan Road, Shangcheng Industrial Zone, 310011 Hangzhou,  
Zhejiang Province, P.R. China

Requirements: EN 62109-1:2010  
EN 62109-2:2011  
EN 62477-1:2012+A1:2017  
EN IEC 62040-1:2019

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 6155502.50(A-D).

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 his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

The CE marking may be affixed on the product if all relevant and effective EC directives are complied with.

Arnhem, 29 May 2023

Number: 6155502.01AOC

DEKRA Testing and Certification (Shanghai) Ltd.



Kreny Lin  
Certification Manager

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Document no. : 6155502.01AOC

## Ratings of the test product:

Operating temperature range: - 25°C to + 60°C

Protective class: I

Ingress protection rating: IP65

Power factor range (adjustable): 0.8 leading...0.8 lagging

### Hyper-2000:

PV input: Max. 600 Vdc, MPPT voltage range: 125-550 Vdc, max 14 A, Isc PV: 17,5 A

Battery: Type: Lithium battery, voltage range: 40-60 Vdc, rated voltage: 48 Vdc, max charge/discharge current: 40 A

Output: 230 Vac, 50 / 60 Hz, 2000 VA, max 8,7 A

### Hyper-3000:

PV input: Max. 600 Vdc, MPPT voltage range: 125-550 Vdc, max 14 A, Isc PV: 17,5 A

Battery: Type: Lithium battery, voltage range: 40-60 Vdc, rated voltage: 48 Vdc, max charge/discharge current: 60 A

Output: 230 Vac, 50 / 60 Hz, 3000 VA, max 13 A

### Hyper-3680:

PV input: Max. 600 Vdc, MPPT voltage range: 125-550 Vdc, max 2x14 A, Isc PV: 2x17,5 A

Battery: Type: Lithium battery, voltage range: 40-60 Vdc, rated voltage: 48 Vdc, max charge/discharge current: 80 A

Output: 230 Vac, 50 / 60 Hz, 3680 VA, max 16 A

### Hyper-4600:

PV input: Max. 600 Vdc, MPPT voltage range: 125-550 Vdc, max 2x14 A, Isc PV: 2x17,5 A

Battery: Type: Lithium battery, voltage range: 40-60 Vdc, rated voltage: 48 Vdc, max charge/discharge current: 100 A

Output: 230 Vac, 50 / 60 Hz, 4600 VA, max 20 A

### Hyper-5000:

PV input: Max. 600 Vdc, MPPT voltage range: 125-550 Vdc, max 2x14 A, Isc PV: 2x17,5 A

Battery: Type: Lithium battery, voltage range: 40-60 Vdc, rated voltage: 48 Vdc, max charge/discharge current: 100 A

Output: 230 Vac, 50 / 60 Hz, 5000 VA, max 21,7 A

### Hyper-6000:

PV input: Max. 600 Vdc, MPPT voltage range: 125-550 Vdc, max 2x14 A, Isc PV: 2x17,5 A

Battery: Type: Lithium battery, voltage range: 40-60 Vdc, rated voltage: 48 Vdc, max charge/discharge current: 125 A

Output: 230 Vac, 50/60 Hz, 6000 VA, max 26,1 A

### Retro-2000:

Battery: Type: Lithium battery, voltage range: 40-60 Vdc, rated voltage: 48 Vdc, max charge/discharge current: 40 A

Output: 230 Vac, 50 / 60 Hz, 2000 VA, max 8,7 A

### Retro-3000:

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Battery: Type: Lithium battery, voltage range: 40-60 Vdc, rated voltage: 48 Vdc, max charge/discharge current: 60 A

Output: 230 Vac, 50 / 60 Hz, 3000 VA, max 13 A

Retro-3680:

Battery: Type: Lithium battery, voltage range: 40-60 Vdc, rated voltage: 48 Vdc, max charge/discharge current: 80 A

Output: 230 Vac, 50 / 60 Hz, 3680 VA, max 16 A

Retro-4600:

Battery: Type: Lithium battery, voltage range: 40-60 Vdc, rated voltage: 48 Vdc, max charge/discharge current: 100 A

Output: 230 Vac, 50 / 60 Hz, 4600 VA, max 20 A

Retro-5000:

Battery: Type: Lithium battery, voltage range: 40-60 Vdc, rated voltage: 48 Vdc, max charge/discharge current: 100 A

Output: 230 Vac, 50 / 60 Hz, 5000 VA, max 21,7 A

Retro-6000:

Battery: Type: Lithium battery, voltage range: 40-60 Vdc, rated voltage: 48 Vdc, max charge/discharge current: 125 A

Output: 230 Vac, 50/60 Hz, 6000 VA, max 26,1 A

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End