

# CERTIFICATE OF CONFORMITY

Issued to: Wuxi Wattsonic Energy Technology Co., LTD.  
Floor 4 Building H1 NO.6 Jingxian Road, Xinwu District, Wuxi 214135, China

For the product: Hybrid Inverter

Trade name: WATTSONIC

Type/Model: MATIC-10KW-50A, MATIC-12KW-50A, MATIC-15KW-50A, MATIC-20KW-50A,  
MATIC-25KW-50A

Ratings: See Annex

Manufactured by: Wuxi Wattsonic Energy Technology Co., LTD.  
Floor 4 Building H1 NO.6 Jingxian Road, Xinwu District, Wuxi 214135, China

Requirements: TOR Erzeuger Type A Version 1.3:2024-07-01  
OVE-Richtlinie R 25:2020-03-01

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 6179596.50


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 15 September 2030 or expires upon withdrawal of one of the above mentioned standards.

Shanghai, 15 September 2025

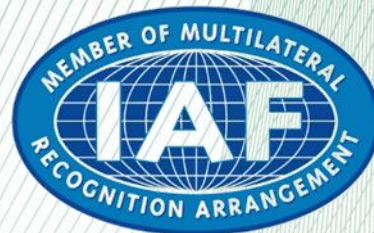
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DEKRA Testing and Certification (Shanghai) Ltd.



Kreny Lin  
Certification Manager

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## Test basics:

TOR Erzeuger Type A Version 1.3:2024-07-01

Connection and parallel operation of Type A power generation systems and small-scale generation systems

OVE-Richtlinie R 25: 2020-03-01

Test requirements for generator units to be connected to and operated in parallel with low-voltage distribution networks

- 5.1 Testing the network perturbations
- 5.2 Testing the symmetry behavior of three-phase inverters
- 5.3 Testing the behavior of the generating unit on the network
- 5.4 Testing the automatic activation point
- 5.5 Testing the connection conditions and synchronization
- 5.6 Proof of robustness and dynamic network support

## Ratings of product:

Operating temperature range: - 30°C to + 60°C

Protective class: II

Ingress protection rating: IP65

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

MATIC-10KW-50A

PV input: max 1000 Vdc, MPPT voltage range: 160–950 Vdc,  
max input current: 20\*2 A, Isc PV: 30\*2 A

Battery voltage range: 180–800 Vdc

Battery Max. Charge/ Discharge Current: 50/50 A

ON-GRID INPUT & OUTPUT

Input Max. Apparent Power: 20 kVA

Input Max. Current: 30.3 A

Input Nominal Voltage: 3L/N/PE, 220/380, 230/400, 240/415 V

Input Nominal Frequency: 50/60 Hz

Output Rated Power: 10 kW

Output Max. Apparent Power: 11 kVA

Output Max. Current: 16.5 A

Output Nominal Voltage: 3L/N/PE, 220/380, 230/400, 240/415 V

Output Nominal Frequency: 50/60 Hz

OFF-GRID OUTPUT

Output Rated Power: 10 kW

Output Max. Apparent Power: 11 kVA

Output Nominal Voltage: 3L/N/PE, 220/380, 230/400, 240/415 V

Output Nominal Frequency: 50/60 Hz

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## MATIC-12KW-50A

PV input: max 1000 Vdc, MPPT voltage range: 160–950 Vdc,  
max input current: 20\*2 A, I<sub>sc</sub> PV: 30\*2 A

Battery voltage range: 180–800 Vdc

Battery Max. Charge/ Discharge Current: 50/50 A

### ON-GRID INPUT & OUTPUT

Input Max. Apparent Power: 24 kVA

Input Max. Current: 36.3 A

Input Nominal Voltage: 3L/N/PE, 220/380, 230/400, 240/415 V

Input Nominal Frequency: 50/60 Hz

Output Rated Power: 12 kW

Output Max. Apparent Power: 13.2 kVA

Output Max. Current: 19.1 A

Output Nominal Voltage: 3L/N/PE, 220/380, 230/400, 240/415 V

Output Nominal Frequency: 50/60 Hz

### OFF-GRID OUTPUT

Output Rated Power: 12 kW

Output Max. Apparent Power: 13.2 kVA

Output Nominal Voltage: 3L/N/PE, 220/380, 230/400, 240/415 V

Output Nominal Frequency: 50/60 Hz

## MATIC-15KW-50A

PV input: max 1000 Vdc, MPPT voltage range: 160–950 Vdc,  
max input current: 20\*4 A, I<sub>sc</sub> PV: 30\*4 A

Battery voltage range: 180–800 Vdc

Battery Max. Charge/ Discharge Current: 50/50 A

### ON-GRID INPUT & OUTPUT

Input Max. Apparent Power: 30 kVA

Input Max. Current: 45.4 A

Input Nominal Voltage: 3L/N/PE, 220/380, 230/400, 240/415 V

Input Nominal Frequency: 50/60 Hz

Output Rated Power: 15 kW

Output Max. Apparent Power: 16.5 kVA

Output Max. Current: 23.8 A

Output Nominal Voltage: 3L/N/PE, 220/380, 230/400, 240/415 V

Output Nominal Frequency: 50/60 Hz

### OFF-GRID OUTPUT

Output Rated Power: 15 kW

Output Max. Apparent Power: 16.5 kVA

Output Nominal Voltage: 3L/N/PE, 220/380, 230/400, 240/415 V

Output Nominal Frequency: 50/60 Hz

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## MATIC-20KW-50A

PV input: max 1000 Vdc, MPPT voltage range: 160–950 Vdc,  
max input current: 20\*4 A, Isc PV: 30\*4 A

Battery voltage range: 180–800 Vdc

Battery Max. Charge/ Discharge Current: 50/50 A

### ON-GRID INPUT & OUTPUT

Input Max. Apparent Power: 40 kVA

Input Max. Current: 60.6 A

Input Nominal Voltage: 3L/N/PE, 220/380, 230/400, 240/415 V

Input Nominal Frequency: 50/60 Hz

Output Rated Power: 20 kW

Output Max. Apparent Power: 22 kVA

Output Max. Current: 31.9 A

Output Nominal Voltage: 3L/N/PE, 220/380, 230/400, 240/415 V

Output Nominal Frequency: 50/60 Hz

### OFF-GRID OUTPUT

Output Rated Power: 20 kW

Output Max. Apparent Power: 22 kVA

Output Nominal Voltage: 3L/N/PE, 220/380, 230/400, 240/415 V

Output Nominal Frequency: 50/60 Hz

## MATIC-25KW-50A

PV input: max 1000 Vdc, MPPT voltage range: 160–950 Vdc,  
max input current: 20\*4 A, Isc PV: 30\*4 A

Battery voltage range: 180–800 Vdc

Battery Max. Charge/ Discharge Current: 50/50 A

### ON-GRID INPUT & OUTPUT

Input Max. Apparent Power: 50 kVA

Input Max. Current: 75.7 A

Input Nominal Voltage: 3L/N/PE, 220/380, 230/400, 240/415 V

Input Nominal Frequency: 50/60 Hz

Output Rated Power: 25 kW

Output Max. Apparent Power: 25 kVA

Output Max. Current: 36.2 A

Output Nominal Voltage: 3L/N/PE, 220/380, 230/400, 240/415 V

Output Nominal Frequency: 50/60 Hz

### OFF-GRID OUTPUT

Output Rated Power: 25 kW

Output Max. Apparent Power: 25 kVA

Output Nominal Voltage: 3L/N/PE, 220/380, 230/400, 240/415 V

Output Nominal Frequency: 50/60 Hz

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