

# ATTESTATION 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

Subject: Complete evaluation of electrical system of the appliances

Requirements: IEC 62109-1:2010, IEC 62109-2:2011, IEC 62477-1:2022  
EN 62109-1:2010, EN 62109-2:2011, EN IEC 62477-1:2023

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 6179585.50(A-C)

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, 5 December 2025

Number: 6179585.01AOC

DEKRA Testing and Certification (Shanghai) Ltd.

  
Kreny Lin  
Certification Manager

© Integral publication of this attestation and adjoining reports is allowed

DEKRA Testing and Certification (Shanghai) Ltd.  
5F #250 Jiangchangsan Road Shibe Hi-Tech Park, 200436 Jing'an District, Shanghai, China  
T +86 21 6056 7666 F +86 21 6056 7555 www.dekra-product-safety.com

Model	MATIC-10KW-50A	MATIC-12KW-50A	MATIC-15KW-50A	MATIC-20KW-50A	MATIC-25KW-50A
<b>PV</b>					
Max Input Power (kW)	16	19,2	24	32	40
Max DC Input Voltage (Vdc)	1000				
Start-Up Voltage (Vdc)	180				
Rated DC Input Voltage (Vdc)	620				
MPPT Operating Voltage Range (Vdc)	160~950 (Power reduction is required above 850 V)				
Full-Load DC Voltage Range (Vdc)	300~850	350~850	300~850	300~850	350~850
Max Input Current (A)	20×2		20×4		
Max Short-Circuit Current (A)	30×2		30×4		
Number Of Single-String MPPT Input	1				
MPPT Number	2		4		
<b>BATTERY</b>					
Battery Type	Lithium battery				
Battery Voltage Range (Vdc)	180~800				
Start Voltage (Vdc)	180				
Rated Battery Voltage (Vdc)	620				
Max Charge and Discharge Current (A)	50/50				
Max Charge and Discharge Power (kW)	30/30				
Number of Battery Inputs	1				
<b>AC Input/Output</b>					
Rated Output Power (kW)	10	12	15	20	25
Max Output Apparent Power (kVA)	11	13,2	16,5	22	25
Grid-Connected Max Input Apparent Power (kVA)	20	24	30	40	50
Battery Max Charging Power (kW)	10	12	15	20	25
Rated Output Current @ 230V (A)	14,5	17,4	21,7	29	36,2
Max Output Current @ 230V (A)	16,5	19,1	23,8	31,9	36,2
Rated AC Voltage (Vac)	3L/N/PE, 220/380, 230/400, 240/415				
Rated AC Frequency (Hz)	50/60				
Power Factor	>0,99				
Range of Adjustable Power Factor	0,8 leading ...0,8 lagging				
<b>Off-Grid</b>					
Rated Output Power (kW)	10	12	15	20	25
Max Output Apparent Power (kVA)	11	13,2	16,5	22	25
Max Output Current @ 230V (A)	16,5	19,1	23,8	31,9	36,2
Rated Output Voltage (Vac)	3L/N/PE, 220/380, 230/400, 240/415				
Rated Output Frequency (Hz)	50/60				
Total Harmonic Distortion Thdv of Voltage	<3% Linear load				
UPS Switching Time (ms)	<20				
<b>General Data</b>					
Over voltage category: III(Mains), II(DC), Operating temperature range: - 30 °C to + 60 °C, Relative Humidity (%): 0-100, Protective class: I, Ingress protection rating: IP66, Operating Altitude (m): 4000, Isolation type: non-isolation,					

END