

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 model list

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: EN IEC 61000-6-1:2019
EN IEC 61000-6-2:2019
EN IEC 61000-6-3:2021
EN IEC 61000-6-4:2019
BS EN IEC 61000-6-1:2019
BS EN IEC 61000-6-2:2019
BS EN IEC 61000-6-3:2021
BS EN IEC 61000-6-4:2019

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. 6179584.50

This Attestation implies that the examined types are in accordance with the standards designated under the Electromagnetic Compatibility Regulations 2016.

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.

The UKCA marking may be affixed on the product if all relevant and effective UK regulations are complied with.

Arnhem, 23 October 2025

Number: 6179584.02AOC

DEKRA Testing and Certification (Shanghai) Ltd.

Kreny Lin
Certification Manager

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Page 1 of 3

Annex

Document no. : 6179584.02AOC

Hybrid Inverter					
Model	MATIC-10KW-50A	MATIC-12KW-50A	MATIC-15KW-50A	MATIC-20KW-50A	MATIC-25KW-50A
PV Input Parameters					
Maximum Input Power	16kW	19.2kW	24kW	32kW	40kW
Max DC Input Voltage	1000V				
Min Input Voltage / Start-up Voltage	150V/180V				
Rated DC Input Voltage	620V				
MPPT Operating Voltage Range	160–950 V (Derating >850 V; MPPT Voltage Range: 160–850 V)				
Full-load DC Voltage Range	300~850V	350~850V	300~850V	300~850V	350~850V
Max Input Current	20×2A		20×4A		
Max Short-circuit Current	30×2A		30×4A		
Number of Strings per MPPT	1				
Number of MPPTs	2		4		
Battery Parameters					
Battery type	Lithium Battery				
Battery Voltage Range	180~800V				
Start-up Voltage	180V				
Rated Battery Voltage	620V				
Max Charge/Discharge Current	50A/50A				
Max Charge/Discharge Power	30kW/30kW				
Number of Battery Inputs	1				
Battery Charging Mode	Controlled by BMS				
BMS Communication	CAN				
Grid Input & Output:					
Rated Output Power	10kW	12kW	15kW	20kW	25kW
Max Output Apparent Power	11kVA	13.2kVA	16.5kVA	22kVA	25kVA
Max Grid-tied Input Apparent Power	20kVA	24kVA	30kVA	40kVA	50kVA
Max Battery Charging Power	10kW	12kW	15kW	20kW	25kW
Rated Output Current	14.5A	17.4A	21.7A	29A	36.2A
Max Output Current	16.5A	19.1A	23.8A	31.9A	36.2A
Rated AC Voltage	3L/N/PE; 220/380V; 230/400V; 240/415V				
AC Voltage Range	-15%~+10%				
Rated AC Frequency	50Hz/60Hz				
AC Frequency Range	45~55 Hz/55~65 Hz				
Power Factor	>0.99 (at rated power)				
Adjustable Power Factor Range	0.8 (leading) ~ 0.8 (lagging)				

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Hybrid Inverter					
Model	MATIC-10KW-50A	MATIC-12KW-50A	MATIC-15KW-50A	MATIC-20KW-50A	MATIC-25KW-50A
Grid Current Harmonic (THDi)	<3% @ rated power				
DC Component	<0.5% * IpN (rated current)				
Off-Grid Output					
Rated Output Power	10kW	12kW	15kW	20kW	25kW
Max Output Apparent Power	11kVA	13.2kVA	16.5kVA	22kVA	25kVA
Peak Output Apparent Power (Sufficient PV and Battery Power)	120% × rated power @60s				
Max Output Current	16.5A	19.1A	23.8A	31.9A	36.2A
Rated Output Voltage	3L/N/PE; 220/380V; 230/400V; 240/415V				
Rated Output Frequency	50Hz/60Hz				
Total Voltage Harmonic Distortion (THDv)	<3% @ linear load				
UPS Switching Time (Upon Grid Outage)	<20ms				

End