

EU Type Examination Certificate Number: 0120/SGS0545

# Autel New Energy Co., Ltd.

Room 101, Building 1, Rainbow Technology Building, No.36, Gaoxin Sixth Road(N), Nanshan District, Shenzhen, Guangdong, China

Instrument Identification:

#### **MaxiCharger AC Wallbox**

#### Polyphase, Active Import, Outdoor, EV Charger

Instrument Traceable Number 0120/SGS0545

has been assessed and certified as meeting the requirements of

## **EU Directive 2014/32/EU**

on Measuring Instruments Annex II, Module B

It is certified that the manufacturer's technical design and specimen for the above instrument has been examined and, based on the evidence submitted, it is considered that the instrument conforms to the requirements of Annex V of EU Directive 2014/32/EU

This certificate must be used in conjunction with a certificate covering the product verification as required in Annex II, Module D or Annex II, Module F

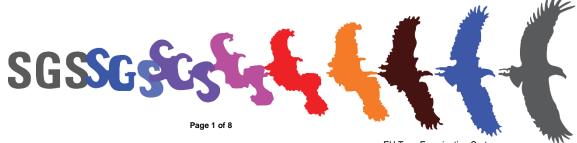
This certificate is valid for 10 years from 19<sup>th</sup> May 2022 until 18<sup>th</sup> May 2032 Issue 3

Certification is based on report number(s): SHES210701314901 iss 1 dated 18<sup>th</sup> May 2022, SHES210701314901 iss 2 dated 28<sup>th</sup> June 2022 SHES210701314901 dated 18th July 2022 EMA302884/1

Authorised Signature

Tuomas Hänninen

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Issue Number: 3 Dated: 21st July 2022

#### 1. Technical Data

Manufacturer State of the State	Autel New Energy Co., Ltd			
Meter Type  Meter Type	MaxiCharger AC Wallbox Maxi Series			
Voltage Rating (Un)	3x230/400V			
Current Rating (Imin – Iref (Imax))	0.25-5(16)A, 0.25-5(32)A			
Frequency (Fn)				
Active Accuracy Class (kWh)	A or B or C (kWh)			
Type of circuit	18000000000000000000000000000000000000			
Temperature Range	-40°C to +55°C			
Software/ Firmware Version No.	### ##################################			
CRC Checksum    300030000000000000000000000000000000	500 500 500 500 500 500 500 500 500 500			
Identification Location	1856N 1858N 1856N			
Bill of Materials No's.  September 1998	106000306         Maxi C-SE AC W22-S-4G-L-M-SV           106000307         Maxi C-SE AC W22-S-4G-L-M-RG           106000308         Maxi C-SE AC W22-S-4G-L-M-WH           106000309         Maxi C-SE AC W22-S-4G-L-M-WH           106000075         Maxi EU AC W22-S-4G-L-M-SV           106000074         Maxi EU AC W22-S-4G-L-M-RG           106000070         Maxi EU AC W22-S-4G-L-M-WH           106000069         Maxi EU AC W11-S-4G-L-M-DG           106000268         Maxi EU AC W11-S-4G-L-M-DG           106000270         Maxi EU AC W11-S-4G-L-M-WH           106000271         Maxi EU AC W11-S-4G-L-M-WH           106000272         Maxi EU AC W22-H-4G-L-M-SV           106000273         Maxi EU AC W22-H-4G-L-M-WH           106000274         Maxi EU AC W22-H-4G-L-M-SV           106000275         Maxi EU AC W11-H-4G-L-M-DG           106000274         Maxi EU AC W11-H-4G-L-M-WH           106000275         Maxi EU AC W11-H-4G-L-M-SV           106000275         Maxi EU AC W11-H-4G-L-M-SV           106000310         Maxi EU AC W11-H-4G-L-M-SV           106000311         Maxi C-SE AC W22-C5-4G-L-M-SV           106000312         Maxi EU AC W11-H-4G-L-M-SV           106000313         Maxi EU AC W22-C5-4G-L-M-DG           106000060         Maxi			
IP Rating	Cable model: IP65 Socket model: IP54			



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Insulation Protective Class	6558 65585858585858585858585858585858585			
LED Pulse Constant	1000 imp/kWh			
Impulse Voltage Rating	DISCOGNIC DEL CONTROL DEL SENSIONE DEL SENSI			
AC Voltage Rating	10000000000000000000000000000000000000			
Main Cover Sealing Type	Tamper Proof Label			
Integrity of meter	Inaccessible without breaking seals			
Intended Location of the Meter	SERVICES CONTROL OF THE PROPERTY OF THE PROPER			
Type of Register	8008 1000 1000 1000 1000 1000 1000 1000			
Terminal Arrangement(s)	100 200 200 200 200 200 200 200 200 200			
Location of Manufacturers Address	Nameplate			



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#### 2. Photograph of Meter and Sealing Plan



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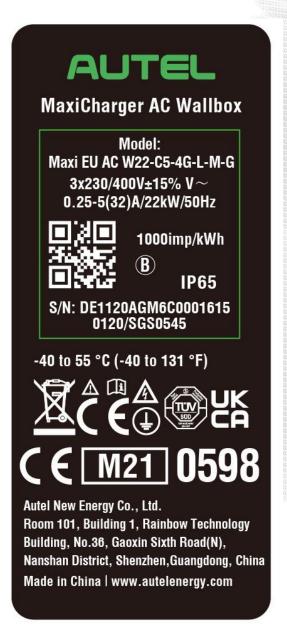


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#### 3. Examples of Nameplates







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#### 4. Calculation of the composite error/ MPE

During the type approval examination the influence factors for temperature, frequency and voltage are determined per load point. The table below represents the sum of the square values per load, determined via the following formula:-  $\delta e(T, U, f) = \sqrt{(\delta e^2(T, I, \cos\phi), \delta e^2(U, I, \cos\phi), \delta e^2(f, I, \cos\phi))}$ 

#### where

 $\delta e(T, I, \cos \varphi) = Additional error due to variation of the temperature at the same load <math>\delta e(U, I, \cos \varphi) = Additional error due to variation of the voltage at the same load <math>\delta e(f, I, \cos \varphi) = Additional error due to variation of the frequency at the same load$ 

		Influence Factors for temperature, frequency and voltage						
Current	PF Cos	-40°C	-25°C	-10°C	5°C	30°C	40°C	55°C
Imin	1.0	0.14	0.15	0.12	0.13	0.06	0.03	0.10
ltr	1.0	0.11	0.12	0.10	0.09	0.06	0.08	0.14
10ltr	1.0	0.13	0.14	0.12	0.12	0.10	0.11	0.15
Imax	1.0	0.27	0.27	0.26	0.26	0.25	0.26	0.27
	asasas	\$65656569 \$65656569 \$65656569	\$65656565656565656565656565656565656565	GSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGS	68686868686868686868686868686868686868	SGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSG		
ltr	0.5ind	0.16	0.18	0.17	0.16	0.07	0.09	0.24
10ltr	0.5ind	0.19	0.20	0.19	0.19	0.16	0.18	0.25
Imax	0.5ind	0.75	0.75	0.75	0.74	0.74	0.74	0.75
			SGSGSGSC SGSGSC SGSGS SGS SGSGS SGSGS SGSGS SGS SGSGS SGS	56565656565656565656565656565656565656	JGSGSGSGSGSGSGS GGSGSGSGSGSGSGS GGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSG			
ltr	0.8cap	0.10	0.11	0.09	0.08	0.06	0.07	0.10
10ltr	0.8cap	0.11	0.11	0.10	0.09	0.08	0.09	0.12
Imax	0.8cap	0.25	0.25	0.25	0.25	0.24	0.24	0.25
l			GSGSGSGSG GSGSGSGSG 7SGSGSGS	55656565656565656565656565656565656565	esgsgsgsgsgsgsgs Gsgsgsgsgsgsgsgs Gsgsgsgsg	0.00	0.00	0.00
L1			SGSGSGSG SGSGSGSG GSGSGSG	56565656565656565656565656565656565656	\$6565656565656565656565 \$656565656565656			
ltr	1.0	0.19	0.19	0.15	0.12	0.09	0.10	0.15
10ltr	1.0	0.21	0.20	0.18	0.16	0.15	0.17	0.21
Imax	1.0	0.37	0.37	0.36	0.35	0.35	0.35	0.37
ltr	0.5ind	0.34	0.34	0.31	0.28	0.24	0.27	0.37
10ltr	0.5ind	0.35	0.35	0.33	0.31	0.29	0.31	0.35
Imax	0.5ind	0.87	0.86	0.85	0.85	0.84	0.85	0.87
III COX	o.oa	0.07	0.00	SGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSG	GSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGS	SGSGSGSGSGSG SGSGSGSGSGSG SGSGSGSGSGSGS	0.00	0.07
L2				GSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGS	956565656565656565656565656565656565656	SGSGSGSGSGSGSGS SGSGSGSGSGSGSGSG SG		
ltr	1.0	0.09	0.09	0.09	0.09	0.08	0.10	0.16
10ltr	1.0	0.04	0.05	0.04	0.03	0.03	0.06	0.13
Imax	1.0	0.29	0.29	0.29	0.29	0.28	0.28	0.30
				, the state of the	96805GSGSGSGSGSGSGSGSGSGSGS	\$65656565656565656565656565656565656565	G GS	
ltr	0.5ind	0.34	0.35	0.36	0.36	0.34	0.36	0.45
10ltr	0.5ind	0.11	0.12	0.13	0.13	0.11	0.14	0.24
Imax	0.5ind	0.88	0.88	0.88	0.88	0.88	0.88	0.89
L3								
Itr	1.0	0.16	0.16	0.16	0.16	0.15	0.16	0.20
10ltr	1.0	0.10 0.19	0.10 0.19	0.10	0.10 0.19	0.13 0.18	0.10 0.19	0.20
Imax	1.0	0.19	0.19	0.19	0.19	0.18	0.19	0.21
IIIIax	1.0	0.30	0.31	0.51	0.30	0.30	0.30	0.31
ltr	0.5ind	0.30	0.31	0.31	0.30	0.28	0.29	0.35
10ltr	0.5ind	0.33	0.34	0.34	0.34	0.33	0.33	0.36
Imax	0.5ind	0.75	0.76	0.75	0.79	0.28	0.74	0.75



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#### 5. Annex of Variants

**Product Variant Identification Details:** 

Maxi Series

Maxi U W - XX - YY – L – M - ZZ

I II III IV V VI VII

I: "U" donates for basic model designation, "U" can be:

EU AC: EU AC series EU1 AC: EU1 AC series C-SE AC: PME AC series

II: "W" donates for power, "W" can be:

W11: 11kW W22: 22kW

III: "XX" donates for vehicle connection method, "XX" can be:

BC3: vehicle connector with 3m cable at the condition of without holder BC5: vehicl connector with 5m cable at the condition of without holder BC7: vehicle connector with 7.5m cable at the condition of without holder

C3: vehicle connector with 3m cable C5: vehicle connector with 5m cable C7: vehicle connector with 7.5m cable

S: socket-outlet H: shutter-outlet

IV: "YY" donates for wireless function, "YY" can be:

4G: 4G function embedded Blank: Standard type

V: "L" donates for LCD panel function VI: "M" donates for MID function

Ⅶ: "ZZ" donates for colour, "ZZ" can be:

DG: dark grey WH: white RG: rose gold SV: silver B: black

Modifications to the meter(s) described according to approval No.0120/SGS0545 must be notified to the issuing body to confirm the meter(s) continuing compliance to the relevant pattern approval standard(s).

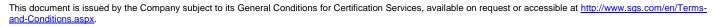


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#### 6. Document Revision History

Issue	Date	Comments
1	19/05/2022	Initial Issue
2	05/07/2022	"not for 11kW models" deleted. Manufacturers address changed, New nameplates.
3	21/07/2022	Power Board EC2121_PWRBD upgraded from V5 to V8 and added PME circuit for PME AC series Control Board EC2121_MAIN upgraded from V4 to V5 Add alternative component due to supply problems. New BoM versions



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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 28 days only.