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 19th May 2022 until 18th May 2032
Issue 3

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

Authorised Signature

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	EU-Type Examination Certificate Number:	
	0120/SGS0545	
	Issue Number: 3	Dated: 21st July 2022

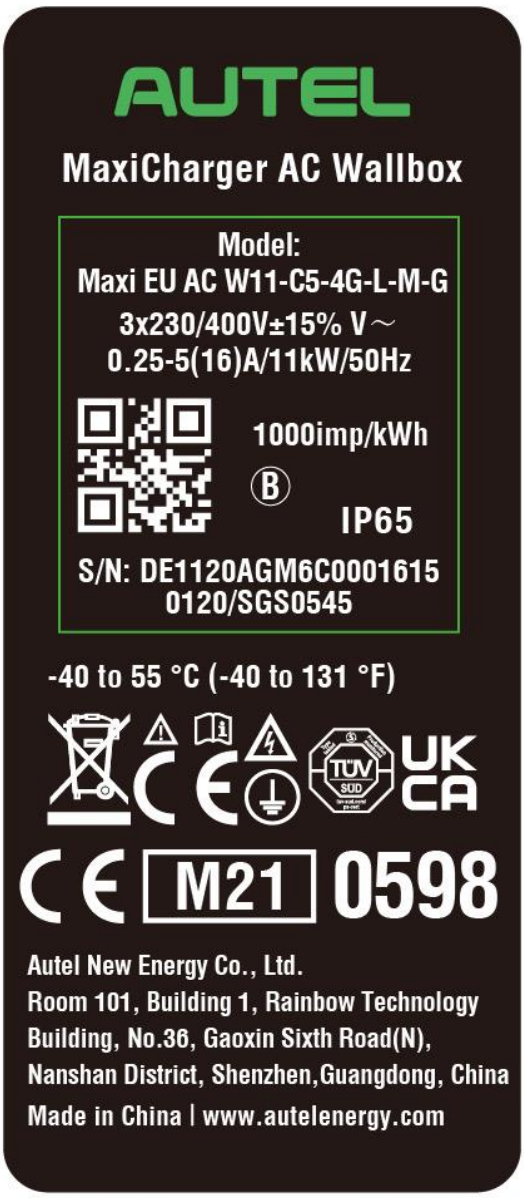
1. Technical Data

Manufacturer	Autel New Energy Co., Ltd
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)*	50Hz
Active Accuracy Class *(kWh)*	A or B or C (kWh)
Type of circuit	3p5w
Temperature Range	-40ºC to +55ºC
Software/ Firmware Version No.	V00.25
CRC Checksum	99A2
Identification Location	LCD
Bill of Materials No's.	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-DG 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 W22-S-4G-L-M-DG 106000268 Maxi EU AC W11-S-4G-L-M-DG 106000269 Maxi EU AC W11-S-4G-L-M-WH 106000270 Maxi EU AC W11-S-4G-L-M-RG 106000271 Maxi EU AC W11-S-4G-L-M-SV 106000259 Maxi EU AC W22-H-4G-L-M-DG 106000276 Maxi EU AC W22-H-4G-L-M-WH 106000277 Maxi EU AC W22-H-4G-L-M-RG 106000278 Maxi EU AC W22-H-4G-L-M-SV 106000272 Maxi EU AC W11-H-4G-L-M-DG 106000273 Maxi EU AC W11-H-4G-L-M-WH 106000274 Maxi EU AC W11-H-4G-L-M-RG 106000275 Maxi EU AC W11-H-4G-L-M-SV 106000310 Maxi C-SE AC W22-C5-4G-L-M-SV 106000311 Maxi C-SE AC W22-C5-4G-L-M-RG 106000312 Maxi C-SE AC W22-C5-4G-L-M-WH 106000313 Maxi C-SE AC W22-C5-4G-L-M-DG 106000067 Maxi EU AC W22-C5-4G-L-M-SV 106000066 Maxi EU AC W22-C5-4G-L-M-RG 106000062 Maxi EU AC W22-C5-4G-L-M-WH 106000061 Maxi EU AC W22-C5-4G-L-M-DG 106000264 Maxi EU AC W11-C5-4G-L-M-DG 106000265 Maxi EU AC W11-C5-4G-L-M-WH 106000266 Maxi EU AC W11-C5-4G-L-M-RG 106000267 Maxi EU AC W11-C5-4G-L-M-SV
IP Rating	Cable model: IP65 Socket model: IP54

Insulation Protective Class	Class I
LED Pulse Constant	1000 imp/kWh
Impulse Voltage Rating	6kV
AC Voltage Rating	4kV
Main Cover Sealing Type	Tamper Proof Label
Integrity of meter	Inaccessible without breaking seals
Intended Location of the Meter	Outdoor
Type of Register	LCD
Terminal Arrangement(s)	DIN
Location of Manufacturers Address	Nameplate

2. Photograph of Meter and Sealing Plan

3. Examples of Nameplates



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:-

$$\delta e\,(T, U, f) = \sqrt{(\delta e^2\,(T, I, \cos\varphi)\,,\ \delta e^2\,(U, I, \cos\varphi)\,,\ \delta e^2\,(f, I, \cos\varphi))}$$

where

$\delta e(T, I, \cos\varphi)$ = Additional error due to variation of the temperature at the same load

$\delta e(U, I, \cos\varphi)$ = Additional error due to variation of the voltage at the same load

$\delta e(f, I, \cos\varphi)$ = 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***
Itr	1.0	***0.11***	***0.12***	***0.10***	***0.09***	***0.06***	***0.08***	***0.14***
10Itr	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***
Itr	0.5ind	***0.16***	***0.18***	***0.17***	***0.16***	***0.07***	***0.09***	***0.24***
10Itr	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***
Itr	0.8cap	***0.10***	***0.11***	***0.09***	***0.08***	***0.06***	***0.07***	***0.10***
10Itr	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***
						0.00	***0.00***	***0.00***
L1								
Itr	1.0	***0.19***	***0.19***	***0.15***	***0.12***	***0.09***	***0.10***	***0.15***
10Itr	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***
Itr	0.5ind	***0.34***	***0.34***	***0.31***	***0.28***	***0.24***	***0.27***	***0.37***
10Itr	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***
L2								
Itr	1.0	***0.09***	***0.09***	***0.09***	***0.09***	***0.08***	***0.10***	***0.16***
10Itr	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***
Itr	0.5ind	***0.34***	***0.35***	***0.36***	***0.36***	***0.34***	***0.36***	***0.45***
10Itr	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***
10Itr	1.0	***0.19***	***0.19***	***0.19***	***0.19***	***0.18***	***0.19***	***0.21***
Imax	1.0	***0.30***	***0.31***	***0.31***	***0.30***	***0.30***	***0.30***	***0.31***
Itr	0.5ind	***0.30***	***0.31***	***0.31***	***0.30***	***0.28***	***0.29***	***0.35***
10Itr	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***

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).

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

END OF CERTIFICATE