



UKCA Type Examination Certificate Number: 0120/SGS0545/UK

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

Measuring Instruments Regulations 2016 (as amended)

on Active electrical energy meters, Schedule 1B, 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 UK Measuring Instruments Regulations 2016

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

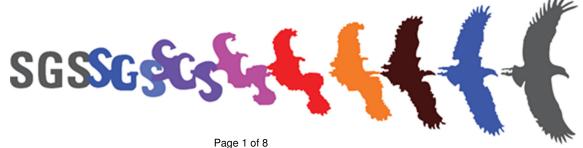
This certificate is valid until 18th May 2032 Issue 2

Certification is based on report number(s): SHES210701314901 issue 1 dated 18th May 2022, SHES210701314901 issue 2 dated 28th June 2022 SHES210701314901 issue 3 dated 18th July 2022 EMA303933/1, EMA304502/1

Authorised Signature

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Issue Number: 2 Dated:2nd September 2022

1. Technical Data

1. Technical Data	. SGS			
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	-40°C to +55°C			
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-RG 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-WH 106000070 Maxi EU AC W22-S-4G-L-M-WH 106000069 Maxi EU AC W22-S-4G-L-M-WH 106000460 Maxi C-SE AC W11-C5-4G-L-M-DG 106000461 Maxi C-SE AC W11-C5-4G-L-M-RG 106000462 Maxi C-SE AC W11-C5-4G-L-M-WH 106000463 Maxi C-SE AC W11-C5-4G-L-M-WH 106000268 Maxi EU AC W11-S-4G-L-M-WH 106000269 Maxi EU AC W11-S-4G-L-M-WH 106000270 Maxi EU AC W11-S-4G-L-M-WH 106000271 Maxi EU AC W11-S-4G-L-M-WH 106000273 Maxi EU AC W22-H-4G-L-M-WH 106000274 Maxi EU AC W22-H-4G-L-M-WH 106000275 Maxi EU AC W22-H-4G-L-M-WH 106000276 Maxi EU AC W22-H-4G-L-M-WH 106000277 Maxi EU AC W11-H-4G-L-M-RG 106000278 Maxi EU AC W11-H-4G-L-M-WH 106000275			



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, dS , dc			
IP Rating	Cable model: IP65 Socket model: IP54		
Insulation Protective Class	STOREGE STATE STAT		
LED Pulse Constant	1000 imp/kWh		
Impulse Voltage Rating	(38.5)		
AC Voltage Rating	100 ST 10		
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		



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2. Photograph of Meter and Sealing Plan



Main Cover Sealing Point



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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:-

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

Where

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

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			Influence F	actors for te	emperature,	frequency a	nd voltage	
Current	PF Cos	-40℃	-25℃	-10℃	5℃	30℃	40℃	55℃
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
l				\$6\$6\$6\$6\$6\$6\$6\$6\$6\$6\$6\$6\$6\$6\$6\$6\$6\$6\$6	SUSSESSESSESSESSESSESSESSESSESSESSESSESS	GSGSGSGS GSGSGSGS GSGSGSG		
Itr	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
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
III COX	σισσαρ	0.20	365656 365656 365656		SGSGSGSGSGSGSGSGSGSGS SGSGSGSGSGSGSGSGS	0.00	0.00	0.00
L1			SGSGSG SGSGSGS SGSGSGSGSGSGSGSGSGSGSGSG		Sencial Sencia			0.00
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
			(GSG) 705G) 15G)		Seseseseseseseses Seseseseseseseses Seseseses			
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
		nsgsgsgsgsgsgsgsgsgsgsgsgsgsgsgsgsgsgsg	GSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGS	\$650565656565656565656565656565656565656	965656565656565656565656565656565656565	GSGSGSGSGSGSGSGSGSGSGSGSG GSGSGSGSGSGSG	iSu- ensu-	
L2		75G 5G	GSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGS	\$65656565656565656565656565656565656565	\$6\$6\$6\$6\$6\$6\$6\$6\$6\$6\$6\$6\$6\$6\$6\$6\$6\$6\$6	-6	saces in	
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
ltr	0.5ind	0.34	0.35	0.36	0.36	0.34	0.36	0.45
10ltr	0.5ind 0.5ind	0.11	0.12	0.13	0.13	0.11	0.14	0.24
Imax	0.5ind 0.5ind	0.77	0.12	0.13	0.13	0.77	0.14	0.89
IIIIax	0.01110	0.00	0.00	0.00	0.00	GS G	0.00	0.00
L3			`	SGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSG	50505555515055555555555555555555555555	GSGS GSGSG GSGSGS		
Itr	1.0	0.16	0.16	0.16	0.16	0.15	0.16	0.20
10ltr	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
			-	050565656565656565656565656565656565656	565	GSGSGSGSGSGSGSG GSGSGSGSGSGSGSGSG GSGSGSGSGSGSGSGSGS		-
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

III 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: vehicle 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

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	08/06/2022	Initial Issue
2	02/09/2022	"not for 11kW models" deleted. Manufacturer address changed, New nameplates. Powerboard EC2121_PWRBD upgraded from V5 to V8 and added PME circuit for PME AC series Control board EC2121_MAIN upgraded from V4 to V5.

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END OF CERTIFICATE