Autel Site Acceptance Test (Cx)				
Charger Serial Number		Cx Date		
Charger Model		Cx Company		
Site Owner		Сх Ву		
Site Address		# Charging Modules		
Charge Ports (CCS/CHADEMO)		Rated Power		

Description

The Site Acceptance Test (SAT) is to determine if the system is installed to specs. Although the system had been tested in the factory, it could fail due to potential damage during transportation or installation. The instructions provided are only for MaxiCharger DC Fast.

This procedure mainly consists of 4 parts:

- Mechanical and electrical inspection;
- Set the address for every charging module;
- Parameter setting for DC chargers;
- Connector A&B power-sharing test.

Risks and safety procedure

1. The installation and commissioning process may not address all the hazardous conditions or unsafe acts that may exist. Always confirm compliance with the latest standards and best practices. Local, State, and Federal regulations take precedence over this material.

2. The photos in this instruction are just for reference, there may be some slight changes.

3. This version of the SAT allows a commissioning engineer to perform the SAT procedure without direct remote support.

Preparation

- 1. Confirm there is power on site.
- 2. Prepare the multi-meter.
- 3. Prepare tools for the charger (such as allen key, open end wrench, flat-head cross screwdriver etc.)
- 4. Prepare SAT document.
- 5. Contact the customer to confirm the site is ready for commissioning.
- 6. A qualified electrician should be on site to provide support during this process.



Right door view (Reference photo)



Front door view (Reference photo)

Autel SAT Procedure 2 / 19



Mechanical and electrical inspection (Ensure the upstream breaker stays in the OFF position during this p	part of the procedure)
Ensure the bolts are tightened to torque specs.	Check List Status: Pass/Updated
140 N·m (1239 lb·in)	
Ensure the cabinet is clean inside, with no copper wire or foreign debris, to prevent the electronic components from potential damage.	
The front door of the charger opens and closes freely.	
The right door of the charger opens and closes freely.	
The left door of the charger opens and closes freely.	







CCU1(Left) and CCU2(Right) Ensure all cables/wires are in place by gently pulling on them. Perform an inspection to ensure the connections are undamaged and components are properly mounted	
and components are properly included.	
Ensure all AC input terminations are torqued. 20.5 ± 2.5 N·m (181.44 ± 22.13 lb·in)	

Autel SAT Procedure 5 / 19







Grid voltages	
Verify the voltages L1/L2/L3-PE, N-PE and	between the phases. (7 measurements) (Permissible error:
+/-10%)	
L1 – PE=	Vac
L2 – PE=	Vac
L3 – PE=	Vac
N – PE=	Vac
L1 – L2=	Vac
L1 – L3=	Vac
L2 – L3=	Vac
After verifying the voltages are within the perset the RCCB to the "ON" position and check indicators on the CCU, ECU, TCU, and the	ermissible range, ck the LED screen display.
Set the main breaker to "ON" position and o	QF1 (Main breaker) RCCB QF2 (MCB) for SPD
Set the main breaker to "ON" position and c	connect to the main circuit.
Close the doors of the cabinet. Your MaxiCl	harger is ready for use.



		QF1 (Main Breaker) RCCB QF2 (MCB) for SPD
Set the add Procedure	ress for every chargin	ng module of the charger by step shown below. Nixie tube display
0	Initial status of the module after powered on	Voltage: 0V
1	Press the down button twice to switch to the hardware address display interface	Adr static status display
2	Press the down button for 3 seconds to switch to the hardware address display interface	The hardware address is statically displayed in decimal notation. The address is shown"6"in the interface below



3	Press the down button for 3 seconds to switch to the hardware address setting interface	One of the high, middle, and low digits blinks in decimal notation, the lowest digital "6" blinks as shown below.
4	Press the up button to switch the high, middle or low position, Press the down button to adjust the value.	The address after adjustment, one of the high, middle, and low digital flashes, the address is set to 8 as shown below. (Take the charger with power more than 160kW for example.)
5	Press the down button for 3 seconds to save the Settings. The operation is completed.	The address is static displayed; Then return to the voltage display interface. The voltage is 0V as shown below.

Charger operation inspection	
(Ensure the breakers are in the ON position during this part of the proce	edure)
Close the charger doors and press the Emergency stop button to	
check the button function, the screen should show a fault.	
"Cause: (9) Emergency stop button action failure"	





Fault	
Cause: (9) Emergency stop button action failure	
Check the parameter setting for DC charger Step 1: Click the price " \$ " in the lower left corner of the screen.	











GREEN	axiCharg	er Ture		
Device Maintenance				
View Charge History View A	Export Da	a Set Parameters		
Select Wi-Fi Select	t Time Zone	 Brightness		
() Valuma Ohanir	far Hadatan	n Dominist		
Regional server " Running environment; environment; Vour F	5" 1:China; 2: nent "1" 0: Tes TOFIX	Xiaote; 3: Eurpr t environment; 1	be; 4: UK; 5: USA : Product	
Set Parameters	Parameter Value	Parameter Description		
Charger ID	DG1120B1CN1C00018B	Charger ID assigned by the platform		
Payment method	1/2/3	1: QR code; 2: NFC module; 3: Credit card		
Backend management switch	1	0: Unavailable; 1: Available		
Regional server	5	1: China; 2: Xiaote; 3: Europe; 4: UK; 5: USA		
Running environment	1	0: Test environment; 1: Production		
*		utl 18:54		
OCPP IP "gatewa	ay-eneprodus.a	autel.com"		-
OCPP-URL addre	ess "/ws/webS ı method "wss"	ocket?sn=";Set I ; Set Country co	Port number "443" de "US"	



		•		
Set Parameters				
Parameter Name	Parameter Value	Parameter Description		
OCPP IP	gateway-eneprodus.autel.com	OCPP master address		
OCPP-URL address	/ws/webSocket?sn=	OCPP-URL address		
OCPP encryption method	wss	https,http,wss,ws		
Country code	us	Country abbreviation code		
Backend manage Authenticated stop required to stop Connector configu	ment IP "gate p "1" 0: Stop iration "0" 0:	way-eneprodus. immediately; 1: , connectors 1anc	autel.com" Authentication 2 initialization;	
Backend manage Authenticated stop required to stop Connector configu 1:Single-connector	ment IP "gate p "1" 0: Stop uration "0" 0: or initialization 文文寸	eway-eneprodus. immediately; 1: / connectors 1 and a; 2: Connector 3:	autel.com" Authentication 2 initialization; and 4 initialization;	
Backend manage Authenticated stop required to stop Connector configu 1:Single-connecto	ment IP "gate p "1" 0: Stop uration "0" 0: or initialization 文文寸 《象传感者	eway-eneprodus. immediately; 1: / connectors 1 and a; 2: Connector 3:	autel.com" Authentication 2 initialization; and 4 initialization;	
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Backend manage Authenticated stop required to stop Connector configu 1:Single-connector I:Single-connector Single-connector	ment IP "gate p "1" 0: Stop uration "0" 0: or initialization 文章文子 像 传感者 Parameter Value gateway=megrodus_autel.com 3 2000/ 0	Parameter Description Recent management IP Authornicability and Control of Control Recent management IP Authornicability of charger Reted output power of charger Parameter Parameter 2 initialization; Reted output power of charger Parameter Parameter 2 initialization; Reted output power of charger Parameter Parameter 2 initialization; Parameter 2 initialization; Parame	autel.com" Authentication 2 initialization; and 4 initialization;	
Backend manage Authenticated stop required to stop Connector configu 1:Single-connector I:Single-connector Single-connector I:S	ment IP "gate p "1" 0: Stop uration "0" 0: or initialization 文文、大 (像 传感者 图areney-roogroups and cont 2 2406W 0 400A	Parameter Description Rackend management IP 0. Stop Immediately: 1 Rackend Management IP 0. Stop Immediately: 1 Ra	autel.com" Authentication 2 initialization; and 4 initialization;	



Verify the charger is communicating with the OCPP server.	
Test and verify different authorization methods available on this	
charger.	
Test charge sessions.	
A session will properly stop by pressing the stop button.	

Note:

Contact Autel Tech Support to set up Cloud platform access and register the charger to Autel Cloud as needed.



Autel Charge APP Test



No.	Operation	Procedure	Status
1.	Download	Autel Charge APP can be downloaded from the Apple APP Store for iOS system and Google Play Store for Android system.	Pass/Fail
2.	Register	Autel Charge APP Registration process	Pass/Fail
3.	Log in	Log in to Autel Charge App successfully	Pass/Fail
4.	Registration of payment cards	Registration of Credit/Debit card in Payment Manager	Pass/Fail
5.	Charging operation	Remote Start operation from Autel Charge APP	Pass/Fail
6.	Remote stop	Remote Stop operation from Autel Charge APP	Pass/Fail
7.	Invoice issue	Log in to Autel Charge App -"Me"-"Charge History"- Click on the invoice icon in the top right corner of the screen.	Pass/Fail

Connector A&B Power-sharing Test							
No	Operation	Procedure	EV No.1	EV No.2			
1.	Charge 2 EVs using connector A and B at	Open the charging port, and insert the connector A to EV No.1 and connector B to EV No.2. Start charging and observe the charging process. Charging points	Connector A test : Pass/Fail Connector B test :	Connector A test : Pass/Fail Connector B test :			
	the same time for 5 minutes.	should share power 60kW/60kW +/- 10%. Repeat procedure with EV No.1 in connector B and EV No.2 in connector A.	Pass/Fail	Pass/Fail			
2.	Charging operation on connector B when connector A is in use.	Open the charging port, insert the connector A to EV No.1, Start charging, and observe the charging process. After 3 minutes, repeat operation on connector B using EV No.2. EV No.1 should keep charging with the same power, and EV No.2 should start charging normally. Repeat process with all possible scenarios.	EV1- ConnectorA→ EV2-ConnectorB: Pass/Fail EV1- ConnectorB→ EV2-ConnectorA: Pass/Fail	EV1- ConnectorA→ EV2-ConnectorB: Pass/Fail EV1- ConnectorB→ EV2-ConnectorA: Pass/Fail			
3.	Charging stability test when 1 of 2 connectors finished charging session.	Open the charging port and insert the connector A to EV No.1 and connector B to EV No2. Start charging and observe the charging process. After 3 minutes, stop the charging procedure on one side. Another car should stay in the charging process with the same power.	EV1- ConnectorA→ EV2-ConnectorB: Pass/Fail EV1- ConnectorB→ EV2-ConnectorA: Pass/Fail	EV1- ConnectorA→ EV2-ConnectorB: Pass/Fail EV1- ConnectorB→ EV2-ConnectorA: Pass/Fail			





Customer Signature	Date
Cx Agent Signature	Date





Appendix A



Number of Rated Power-Model. Location. **Modules**. Maxi US DC A60. 60 kW. 3 PCS 1, 2, 4. Maxi US DC A80. 80 kW₄ 4 PCS 1, 2, 4, 5. 1, 2, 3, 4, 5. Maxi US DC A100. 100 kW. 5 PCS Maxi US DC A120. 1, 2, 3, 4, 5, 6, 120 kW. 6 PCS₽



140kW-240kW MaxiCharger DC Fast



Model	Rated Power₀	Number of Modules₀	Location
Maxi US DC A140. (UF140A4001/UF140A3001).	140 kW₊	7 PCS₽	1, 2, 3, 4, 7, 8, 9,
Maxi US DC A160. (UF160A4001/UF160A3001).	160 kW₊	8 PCS₽	1, 2, 3, 4, 7, 8, 9, 10.
Maxi US DC A180. (UF180A4001/UF180A3001).	180 kW₊	9 PCS₽	1, 2, 3, 4, 5, 7, 8, 9, 10.
Maxi US DC A200./ (UF200A4001/UF200A3001)./	200 kW₊	10 PCS.	1, 2, 3, 4, 5, 7, 8, 9, 10, 11.
Maxi US DC A220. (UF220A4001/UF220A3001).	220 kW₊	11 PCS.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11.
Maxi US DC A240. (UF240A4001/UF240A3001).	240 kW₊	12 PCS₊	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12,

