

XCHARGE C6EU DC CHARGING STATION

Installation & Commissioning Protocol



Customer Information	
Customer details	Location of charging infrastructure
Company:	Name:
Contact person:	Address:
Address:	
Telephone:	Telephone:
E-Mail:	E-Mail:

Results of the Inspection		
Category	Approved	Open issues (see protocol)
Control of physical integrity	<input type="checkbox"/>	<input type="checkbox"/>
Required installation parameters	<input type="checkbox"/>	<input type="checkbox"/>
Charging station installation process	<input type="checkbox"/>	<input type="checkbox"/>
Charging station commissioning process	<input type="checkbox"/>	<input type="checkbox"/>
Accessories / extensions available	<input type="checkbox"/>	<input type="checkbox"/>

Operator

Name

Date


Signature.....

Technician

Name

Date

Signature.....

 WARNING
Danger to life due to electric shock! Contact with live parts can cause electric shock, burns or death. Before starting work, put on necessary protective equipment, e.g. protective clothing and gloves: - Disconnect the system from the power supply. - Make sure that the power supply is disconnected while working.

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Technical Data of the Charging Station	
Amount in operation:	
Model:	
Serial number:	
Max. output power:	
Number of power modules:	
AC input network topology & connection:	
AC input voltage, current & frequency:	
Charging plug 1:	<input type="checkbox"/> DC CHAdeMO 125A <input type="checkbox"/> DC CCS 125A <input type="checkbox"/> DC CCS 200A <input type="checkbox"/> DC CCS 250A
Charging plug 2:	<input type="checkbox"/> DC CHAdeMO 125A <input type="checkbox"/> DC CCS 125A <input type="checkbox"/> DC CCS 200A <input type="checkbox"/> DC CCS 250A <input type="checkbox"/> none
Extensions:	
Installation environment condition:	

Network Connection and Authentication						
Available network:	<input type="checkbox"/> Yes, <input type="checkbox"/> GPRS <input type="checkbox"/> 3G <input type="checkbox"/> 4G <input type="checkbox"/> LAN <input type="checkbox"/> No					
OCPP	<input type="checkbox"/> Yes, version: <input type="checkbox"/> No, applied connection protocol is:					
APN:	Carrier	mcc	mnc	APN Name	User ID	Password
URL (WS/WSS):						
Charge point ID: (If not same as serial number, please fill in)						
Authentication method	<input type="checkbox"/> None <input type="checkbox"/> RFID / NFC card <input type="checkbox"/> ID and password <input type="checkbox"/> OCPP <input type="checkbox"/> QR Code <input type="checkbox"/> Plug & Charge					

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Control Physical Integrity of the Charging Station	
Description	Annotation
Check for transport damage at the charging station:	<input type="checkbox"/> Yes,
Check all PCB for damage and for correct positioning:	<input type="checkbox"/> Yes,
All cables are checked for damaged and loose connections:	<input type="checkbox"/> Yes,
All electrical assemblies checked for damage:	<input type="checkbox"/> Yes,
HD display, LED indicator and emergency stop button checked for damage:	<input type="checkbox"/> Yes,
All extensions have been checked for damage or loose connections:	<input type="checkbox"/> Yes,
Identification sticker on all important components:	<input type="checkbox"/> Yes,
Identification sticker on all cables / lines:	<input type="checkbox"/> Yes,
Nameplate of the charging station:	<input type="checkbox"/> Yes,
Check for cleanliness and corrosion	<input type="checkbox"/> Yes,
Factory test report	<input type="checkbox"/> Yes,
others	

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Required Power Cables / Fuses		
Description	Required size and type	Installed size and type
AC input type power cable	Note in the following format: <i>For Example: NYCWY 4x50/25mm²</i>	
Grounding cable to the foundation earth	Note in the following format: <i>For Example: NYY-J 5x1.5 mm²</i>	
Data cable		
Fuses		

Note: XCharge is not responsible / liable for undersized cables / leads or incorrectly attached cables / leads.

Torque Table for the Main Input Lines		
Description	Required torque	Fulfill
AC input phase connections	15-20Nm	<input type="checkbox"/>
AC input neutral conductor	15-20Nm	<input type="checkbox"/>
AC input ground wire	60kW and 120kW C6EU: 15-20Nm 150kW C6EU: 25-30Nm	<input type="checkbox"/>

Power Connection Inspection	
Type of inspection	<input type="checkbox"/> new installation, <input type="checkbox"/> extension, <input type="checkbox"/> modification, <input type="checkbox"/> restoration, <input type="checkbox"/> periodic inspection
Form of connection	<input type="checkbox"/> TN <input type="checkbox"/> TNS <input type="checkbox"/> TNCS <input type="checkbox"/> TT
Examination of the cable route with regard to Cable cross-section and ampacity	<input type="checkbox"/> OK,
Proper selection of working equipment	<input type="checkbox"/> OK,
back-up fuses in sub-distribution box: the selectivity is under the law	<input type="checkbox"/> OK,
Firestops checked	<input type="checkbox"/> OK,
Label of circuits, all the Operating equipment and cable are correct	<input type="checkbox"/> OK,
Visual inspection: housing, connecting cable, inscriptions and nameplate	<input type="checkbox"/> OK,
Charger inside and outside is clean	<input type="checkbox"/> OK,
Drainage checked	<input type="checkbox"/> OK,
Function of fans checked and air filter replaced / cleaned	<input type="checkbox"/> OK,
Fixation / foundation checked	<input type="checkbox"/> OK,
Locks clean, oiled and adjusted	<input type="checkbox"/> OK,
Visual inspection: Operating instructions, wiring diagram and test report attached in charger	<input type="checkbox"/> OK,
Photo documentation has been created (Route from distribution box to charger)	<input type="checkbox"/> OK,

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Continuity Protective conductor (<math><1\Omega</math>)	<input type="checkbox"/> OK,		
Insulation resistance	MOhm:		<input type="checkbox"/> OK
Line protection device Type / rated current	Type:	rated current in A:	<input type="checkbox"/> OK
Loop impedance and breaking current	Ohm:	A:	<input type="checkbox"/> OK
RCD protection device Type / Rated current	Type:	rated current in A/mA:	<input type="checkbox"/> OK
RCD test AC	Tripping current in mA:	tripping time in ms:	<input type="checkbox"/> OK
RCD test DC	Tripping current in mA:	tripping time in ms:	<input type="checkbox"/> OK
Rotary field test (clockwise rotating field)	<input type="checkbox"/> OK,		

Installation Checklist		
	Description	Yes / No
1	Foundation for the charging station according to the installation instructions.	<input type="checkbox"/> / <input type="checkbox"/>
2	Fixing holes on foundation prepared.	<input type="checkbox"/> / <input type="checkbox"/>
3	Remove the packaging from the charger to verify that the charger is intact.	<input type="checkbox"/> / <input type="checkbox"/>
4	Open the front door and remove the accessories.	<input type="checkbox"/> / <input type="checkbox"/>
5	Remove the cover and remove the power cable gland.	<input type="checkbox"/> / <input type="checkbox"/>
6	Close the door and install 4 ring screws on the top.	<input type="checkbox"/> / <input type="checkbox"/>
7	Place the C6EU charging station on the foundation.	<input type="checkbox"/> / <input type="checkbox"/>
8	Tighten the fastening screws.	<input type="checkbox"/> / <input type="checkbox"/>
9	Open the front door. Guide the cables / cables through the gland to the connecting bar. The gland can be disassembled for easier handling.	<input type="checkbox"/> / <input type="checkbox"/>
10	Connecting the AC cables with suitable torque: 1. Connect PE, 2. Neutral, then the three phases. The max. current and diameter are determined by the system configuration and local regulations.	<input type="checkbox"/> / <input type="checkbox"/>
11	Performing a visual and mechanical inspection of connection. Especially the cables / leads, charging plugs and user interfaces to make sure they are not damaged.	<input type="checkbox"/> / <input type="checkbox"/>
12	Remove the four ring bolts / crane eyelets. Close the openings with supplied plastic screws.	<input type="checkbox"/> / <input type="checkbox"/>
13	Complete cable fastening, tighten gland and screws again.	<input type="checkbox"/> / <input type="checkbox"/>

Commissioning Checklist		
	Description	Yes / No
1	Make sure that the main switch in the lower compartment behind the front door of the C6EU is switched off.	<input type="checkbox"/> / <input type="checkbox"/>
2	It must be ensured that no AC voltage is applied to the mains connections.	<input type="checkbox"/> / <input type="checkbox"/>
3	It must be ensured that all connections are made correctly.	<input type="checkbox"/> / <input type="checkbox"/>
4	Insert the mains fuses in distribution box and make sure that the fuse holders are properly closed.	<input type="checkbox"/> / <input type="checkbox"/>
5	Please check that the addresses have been set correctly on Power Module M1-M5.	<input type="checkbox"/> / <input type="checkbox"/>
6	Turn on the main switch. The C6EU then powers up automatically, loads the operating system, and runs in about two minutes.	<input type="checkbox"/> / <input type="checkbox"/>
7	Check that the start page is displayed.	<input type="checkbox"/> / <input type="checkbox"/>
8	Make sure the 3G / 4G icon appears on the home screen.	<input type="checkbox"/> / <input type="checkbox"/>
9	Make sure the connection of backend symbol is shown stable.	<input type="checkbox"/> / <input type="checkbox"/>
10	Functional check with a load simulator or an e-car	<input type="checkbox"/> / <input type="checkbox"/>

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Comment of Installation

Empty space for installation comments.