Test Case Report - Charging Discovery System

Report Information

Use case:	EVSE-Test
State machine of test system:	DIN SPEC 70121:2014-12
Charge mode:	DC
Trace name:	170004461PF1Test3m_EVSE-Test_DIN_SPEC_70121_DC_2025-02-19_20.40.52
Execution date:	02/19/2025, 12:15
Export date:	02/19/2025, 13:09

Test & Measurement Equipment Manufacturer

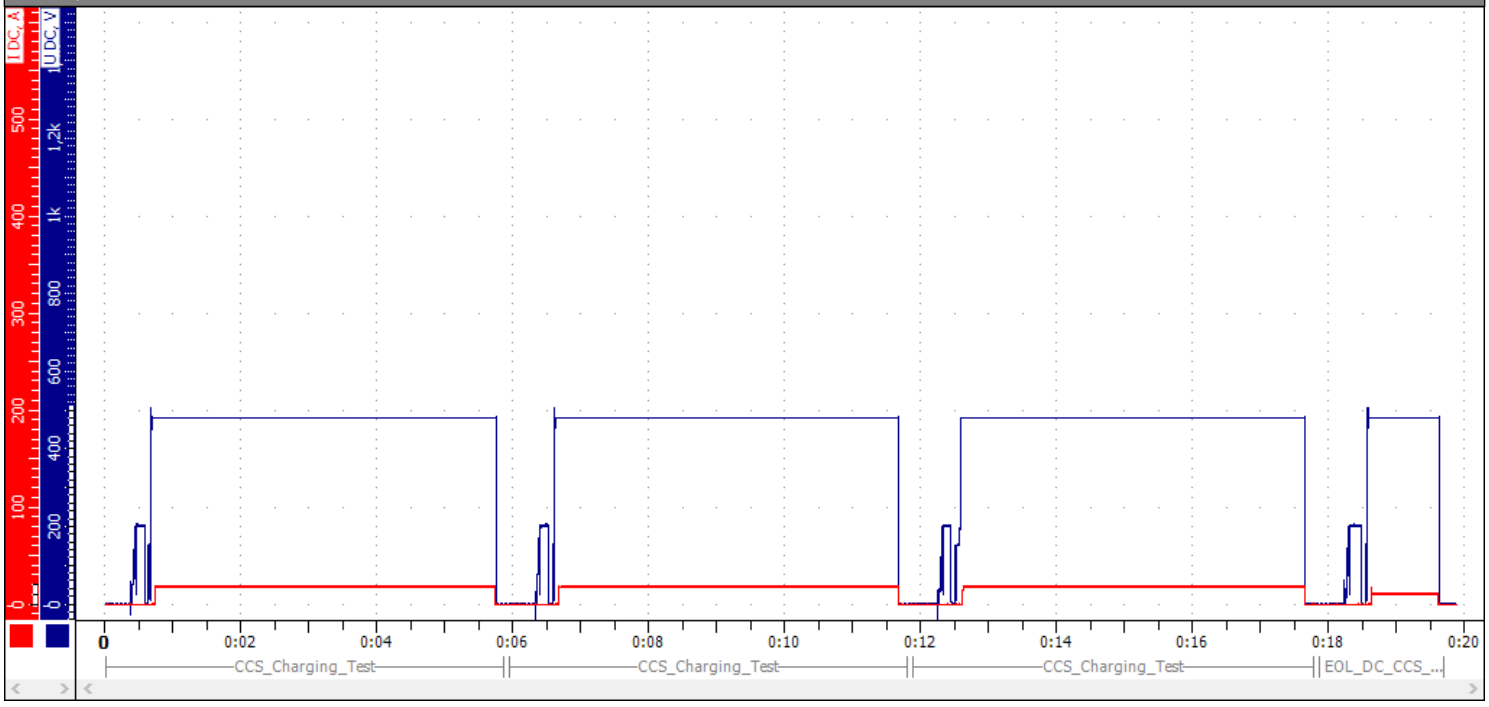
Keysight Technologies Deutschland GmbH
Suttner-Nobel-Allee 21
44803 Bochum, Germany
Web: www.keysight.com

Device Under Test	SICHARGE_D_350_kW_Prototype.evse
DUT manufacturer and type	SICHARGE 350 kW Prototype
DUT serial and revision	-

Test project:	PF1Test3m.cdpj					
ID	**Test Case name**	**Revision**	**Signature**	**DOE profile**	**Cycle**	**Result**
0	TestCase	1.0	Custom Test Case	Doe_Profile.ev	1	Passed
1	TestCase	1.0	Custom Test Case	Doe_Profile.ev	1	Passed
2	TestCase	1.0	Custom Test Case	Doe_Profile.ev	1	Passed
3	EOL_DC_CCS_Insulation_Test	1.0	Custom Test Case	Doe_Profile.ev	1	Passed

Standard Parameters List				
ID	**Test Case name**	**Parameter name**	**Value**	**Unit**
0	TestCase	CarVoltage	550	V
		CarCurrent	18	A
		TimerTestDuration	300	s
1	TestCase	CarVoltage	550	V
		CarCurrent	18	A
		TimerTestDuration	300	s
2	TestCase	CarVoltage	550	V
		CarCurrent	18	A
		TimerTestDuration	300	s
3	EOL_DC_CCS_Insulation_Test	CarVoltage	550	V
		CarCurrent	10	A
		RE_Warning	400000	Ohm
		RE_Fault	90000	Ohm
		isoTime	10	s

Trace plot



System configuration	
System information	System information: IP address: 192.168.30.30 Serial number System: DE61250140 Serial number EVBoard: 100099 Serial number EVSEBoard: 100099
SW revision CD	Client information: Version: Client type: CDSTestCaseLibrary IP address: 192.168.30.216
SW revision CDS and FW revision QCA	Version information: Application: UC46382 CDS-IPC v1.19.2+g422723a EVBoard uC/FPGA: 3.8.0.0 (type: 301)/2.3.1.0 EVSEBoard uC/FPGA: 3.8.0.0 (type: 320)/2.3.1.0 PLC modem EV: BC:F2:AF:FF:6F:A8 MAC-QCA7000-1.2.5.3207-00-20180927-CS PLC modem EVSE: BC:F2:AF:F2:E1:C5 MAC-QCA7000-1.2.5.3207-00-20180927-CS Linux: Ubuntu 1.2.6
Power source/load:	
Sink	SL1830A 1000V/600A/180kW
Max DC power	180 kW
Min/max DC current	-600/600 A
Min/max DC voltage	50/1000 V

DOEs	
Doe_Profile.ev	
DOE manufacturer and type	Siemens EV; CCS
DOE serial number and revision	-
DOE min/max charge DC power	5/10 kW
DOE min/max charge DC current	10/20 A
DOE min/max DC voltage	400/600 V
DOE battery capacity	90 kWh
DOE initial SoC	40 %
DOE min/max discharge DC power	-
DOE min/max discharge DC current	-
DOE min/max SoC	-
DOE target SoC	100 %