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TEST REPORT

Product Name : Bidirectional battery inverter
Model Number : PCS500

Prepared for : Enercap Power industries LLC
Address : 604 Lake Central Business Bay Dubai UAE

Prepared by : EMTEK (SHENZHEN) CO., LTD.
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Report Number : ENS2405140068E00401R
Date(s) of Tests : August 01, 2017 to August 30, 2017 &
May 11, 2023 to May 23, 2023
Date of Report : May 17, 2024



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TEST REPORT DESCRIPTION

Applicant : Enercap Power industries LLC
 Manufacturer : Enercap Power industries LLC
 Trademark : **ENSERVER**
 EUT : Bidirectional battery inverter
 Model No. : PCS500
 Power Supply : 320-460V, 500kVA, 50/60Hz

Measurement Procedure Used:

EN IEC 61000-6-4: 2019
 EN IEC 61000-6-2: 2019
 (IEC61000-4-2:2008, IEC61000-4-3:2006+A1:2007+A2:2010, IEC 61000-4-4:2012, IEC61000-4-5:2014, IEC61000-4-6:2013, IEC 61000-4-8:2009, IEC 61000-4-11:2004)

The device described above is tested by EMTEK (SHENZHEN) CO., LTD. To determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and EMTEK (SHENZHEN) CO., LTD. Is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with the EN 61000-6-4 and EN 61000-6-2 requirements.

This report applies to above tested sample only and shall not be reproduced in part without written approval of EMTEK (SHENZHEN) CO., LTD.

Date of Test : August 01, 2017 to August 30, 2017 & May 11, 2023 to May 23, 2023

Prepared by : Jessie Hu
 Jessie Hu/Editor

Reviewer : Kaimin Guo
 Kaimin Guo/Supervisor

Approved & Authorized Signer : Lisa Wang
 Lisa Wang/Manager



Modified Information

Version	Report No.	Revision Date	Summary
Ver.1.0	ENS2405140068E00401R	/	Original Report



1. SUMMARY OF TEST RESULT

EMISSION				
Description of Test Item		Standard	Limits	Results
Conducted Disturbance at Mains Terminals	AC Mains port	EN IEC 61000-6-4:2019	Table 4	Pass
	DC Power port		Table A.1	N/A
Telecommunication/network port		Cited from CISPR 32	Table 5	N/A
Radiated emissions at frequencies up to 1 GHz		EN IEC 61000-6-4:2019	Table 3	Pass
Radiated emissions at frequencies above 1 GHz		EN IEC 61000-6-4:2019	Table 3	N/A
IMMUNITY (EN IEC 61000-6-2: 2019)				
Description of Test Item		Basic Standard	Performance Criteria	Results
Electrostatic Discharge (ESD)		IEC61000-4-2:2008	B	Pass
Radio-Frequency, Continuous Radiated Disturbance		IEC61000-4-3:2006+A1:2007+A2:2010	A	Pass
EFT/B Immunity		IEC 61000-4-4:2012	B	Pass
Surge Immunity		IEC61000-4-5:2014	B	Pass
Conducted RF Immunity		IEC61000-4-6:2013	A	Pass
Power Frequency Magnetic Field		IEC 61000-4-8:2009	A	Pass
Voltage Dips and Voltage Interruptions		IEC 61000-4-11:2004	B,C	Pass
Note: N/A is an abbreviation for Not Applicable.				

2. GENERAL INFORMATION

2.1. Description of Device (EUT)

EUT	:	Bidirectional battery inverter
Model Number	:	PCS500
Test Voltage	:	AC 400V/50Hz & DC 800V
Applicant	:	Enercap Power industries LLC
Address	:	604 Lake Central Business Bay Dubai UAE
Manufacturer	:	Enercap Power industries LLC
Address	:	604 Lake Central Business Bay Dubai UAE
Date of Received	:	August 01, 2017 & May 11, 2023
Date of Test	:	August 01, 2017 to August 30, 2017 & May 11, 2023 to May 23, 2023

Note: This report change applicant, manufacturer, trademark and model number is based on ENS2305110124E00201R, this change does not affect the test results, and its original data and records refer to ENS2305110124E00201R.

2.2. Description of Test Facility

Site Description
EMC Lab. : **Accredited by CNAS**
The Certificate Registration Number is L2291.
The Laboratory has been assessed and proved to be in compliance with
CNAS-CL01 (identical to ISO/IEC 17025:2017)

Accredited by FCC

Designation Number: CN1204
Test Firm Registration Number: 882943

Accredited by A2LA

The Certificate Number is 4321.01.

Accredited by Industry Canada

The Conformity Assessment Body Identifier is CN0008

Name of Firm : EMTEK (SHENZHEN) CO., LTD.
Site Location : Building 69, Majialong Industry Zone, Nanshan District, Shenzhen,
Guangdong, China

2.3. Description of Support Device

N/A

2.4. Measurement Uncertainty

Test Item	Uncertainty
Conducted Emission Uncertainty	: 2.96dB(9k~150kHz Conduction 1#) 2.74dB(150k-30MHz Conduction 1#)
Radiated Emission Uncertainty (10m Chamber)	: 3.96dB (30M~1GHz Polarize: H) 4.04dB (30M~1GHz Polarize: V)
Uncertainty for C/S Test	: 1.45(Using CDN Test)
Uncertainty for R/S Test	: 2.10dB(80MHz-200MHz) 1.76dB(200MHz-1000MHz)
Uncertainty for test site temperature and humidity	: 0.6°C 4%

3. MEASURING DEVICE AND TEST EQUIPMENT

3.1. For Power Line Conducted Emission

Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
<input checked="" type="checkbox"/>	EMI Test Receiver	Rohde & Schwarz	ESCI	101045	May 13, 2023	1 Year
<input checked="" type="checkbox"/>	PULSE LIMITER	Rohde & Schwarz	ESH3-Z2	100107	May 13, 2023	1 Year
<input checked="" type="checkbox"/>	AMN	Schwarzbeck	NNLK 8129	8129203	May 13, 2023	1 Year
<input checked="" type="checkbox"/>	DC LISN	Schwarzbeck	PVDC 8301	00075	May 10, 2023	1 Year

3.2. For 10m Radiated Emission Measurement

Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
<input checked="" type="checkbox"/>	EMI Test Receiver	Rohde & Schwarz	ESR3	1316.3003K03- 101706-HN	May 21, 2017	1 Year
<input checked="" type="checkbox"/>	EMI Test Receiver	Rohde & Schwarz	ESR3	1316.3003K03- 101707-Z1	May 21, 2017	1 Year
<input checked="" type="checkbox"/>	Pre-Amplifier	Lunar EM	LNA10M1G-40	J10111309120 01	May 20, 2017	1 Year
<input checked="" type="checkbox"/>	Pre-Amplifier	Lunar EM	LNA10M1G-40	J10111311260 02	May 20, 2017	1 Year
<input checked="" type="checkbox"/>	Bilog Antenna	Schwarzbeck	VULB9163	659	May 20, 2017	1 Year
<input checked="" type="checkbox"/>	Bilog Antenna	Schwarzbeck	VULB9163	661	May 21, 2017	1 Year
<input checked="" type="checkbox"/>	Cable	Times Microwave	LMR-240 N-N 1m	SS26-P1	May 21, 2017	1 Year
<input checked="" type="checkbox"/>	Cable	Times Microwave	LMR-240 N-N 1m	SS26-P2	May 21, 2017	1 Year
<input checked="" type="checkbox"/>	Cable	Times Microwave	LMR-240 N-N 1.5m	N/A	May 21, 2017	1 Year
<input checked="" type="checkbox"/>	Cable	Times Microwave	LMR-240 N-N 1.5m	N/A	May 21, 2017	1 Year
<input checked="" type="checkbox"/>	Cable	Times Microwave	LMR-240 N-N 12m	N/A	May 21, 2017	1 Year
<input checked="" type="checkbox"/>	Cable	Times Microwave	LMR-240 N-N 11m	N/A	May 21, 2017	1 Year

3.3. For Electrostatic Discharge Immunity Test

Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
<input checked="" type="checkbox"/>	ESD Tester	TESEQ AG	NSG 438A	130	May 21, 2017	1 Year
<input checked="" type="checkbox"/>	Impulse Module	TESEQ AG	IN NSG 438A A 4380-150pF/3 300hm	403-550/1712	May 21, 2017	1 Year

3.4. For RF Strength Susceptibility Test

Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
<input checked="" type="checkbox"/>	Signal Generator	Agilent	N5181A	MY50145187	May 13, 2023	1 Year
<input checked="" type="checkbox"/>	Log.-Per. Antenna	SCHWARZBECK	VULP 9118E	811	N/A	N/A
<input checked="" type="checkbox"/>	Signal Generator	Agilent	N5181A	MY50145187	May 13, 2023	1 Year
<input checked="" type="checkbox"/>	50ohm Diode Power Sensor	BOONTON	51011EMC	36164	May 13, 2023	1 Year
<input checked="" type="checkbox"/>	Broad-Band Horn Antenna	SCHWARZBECK	STLP 9149	9149-227	N/A	N/A
<input checked="" type="checkbox"/>	Field Strength Meter	DARE	RSS1006A	10I00037SNO22	May 19, 2023	1 Year
<input checked="" type="checkbox"/>	Multi-function interface system	DARE	CTR1009B	12I00250SNO72	N/A	N/A
<input checked="" type="checkbox"/>	Automatic switch group	DARE	RSW1004A	N/A	N/A	N/A
<input checked="" type="checkbox"/>	Power Amplifier	MILMEGA	AS1860-50	1059346	May 13, 2023	1 Year
<input checked="" type="checkbox"/>	Power Amplifier	Vectawave	VBA 1000-600C	133627	Oct. 31, 2022	1 Year

3.5. For Electrical Fast Transient / Burst Immunity Test

Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
<input checked="" type="checkbox"/>	Burst Tester	Partner	IMU-MGS	109938-1635	Nov. 01, 2022	1 Year
<input checked="" type="checkbox"/>	Coupling Clamp	HAEFELY	IP-4A	147147	May 11, 2023	1 Year
<input checked="" type="checkbox"/>	Three phase CDN	Teseq	CDN 163	202	May 13, 2023	1 Year

3.6. For Surge Immunity Test

Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
<input checked="" type="checkbox"/>	Surge Controller	HAEFELY	Psurge 8000	174031	May 21, 2017	1Year
<input checked="" type="checkbox"/>	Impulse Module	HAEFELY	PIM 100	174124	May 21, 2017	1Year
<input checked="" type="checkbox"/>	Coupling Decoupling Filter	HAEFELY	PCD 130	172181	May 21, 2017	1Year
<input checked="" type="checkbox"/>	Coupling Module	HAEFELY	PCD122	174354	May 21, 2017	1Year
<input checked="" type="checkbox"/>	Surge Impulse Module	HAEFELY	PIM 120	174435	May 21, 2017	1Year
<input checked="" type="checkbox"/>	Coupling Module	HAEFELY	PCD 126A	174387	May 21, 2017	1Year
<input checked="" type="checkbox"/>	Impulse Module	HAEFELY	PIM 110	174391	May 21, 2017	1Year
<input checked="" type="checkbox"/>	Impulse Module	HAEFELY	PIM 150	178707	May 21, 2017	1Year

3.7. For Injected Current Susceptibility Test

Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
<input checked="" type="checkbox"/>	Simulator	EMTEST	CWS500C	0900-12	May 21, 2017	1Year
<input checked="" type="checkbox"/>	CDN	EMTEST	CDN-M2	5100100100	May 21, 2017	1Year
<input checked="" type="checkbox"/>	CDN	EMTEST	CDN-M3	0900-11	May 21, 2017	1Year
<input checked="" type="checkbox"/>	Injection Clamp	EMTEST	F-2031-23MM	368	May 21, 2017	1Year
<input checked="" type="checkbox"/>	Attenuator	EMTEST	ATT6	0010222A	May 21, 2017	1Year
<input checked="" type="checkbox"/>	Three phase CDN	Teseq	CDN M332S	32655	May 21, 2017	1 Year

3.8. For Magnetic Field Immunity Test

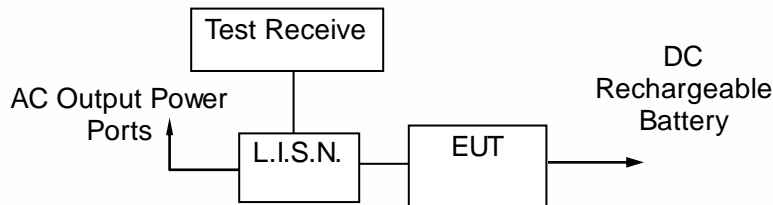
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
<input checked="" type="checkbox"/>	Magnetic Field Tester	HAEFELY	MAG100	250040.1	May 20, 2017	1Year

3.9. For Voltage Dips and Interruptions Test

Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
<input checked="" type="checkbox"/>	45KVA AC Power source	Teseq	NSG 1007-45/45KVA	1305A02873	May 20, 2017	1 Year
<input type="checkbox"/>	Signal conditioning Unit	Teseq	CCN 1000-3	1305A02873	May 20, 2017	1 Year
<input type="checkbox"/>	Three phase impedance network	Teseq/Germany	INA2197/37A	1305A02873	May 20, 2017	1 Year
<input type="checkbox"/>	Three phase impedance network	Teseq/Germany	INA 2196/75A	1305A02874	May 20, 2017	1 Year
<input checked="" type="checkbox"/>	Proflin 2100 AC Switching Unit	Teseq/Germany	NSG2200-3	A22714	May 20, 2017	1 Year

4. CONDUCTED EMISSION MEASUREMENT

4.1. Block Diagram of Test Setup



4.2. Measuring Standard

EN IEC 61000-6-4: 2019

4.3. Conducted Emission Limits

AC Mains port:

Frequency (MHz)	Limit (dB μ V)	
	Quasi-peak Level	Average Level
0.15 ~ 0.50	79.0	66.0
0.50 ~ 30.00	73.0	60.0

NOTE 1-The lower limit shall apply at the transition frequencies.

DC Power port:

Frequency (MHz)	Limit (dB μ V)	
	Quasi-peak Level	Average Level
0.15 ~ 0.50	89.0	76.0
0.50 ~ 30.00	83.0	70.0

NOTE 1-The lower limit shall apply at the transition frequencies.

4.4. EUT Configuration on Measurement

The following equipments are installed on Conducted Emission Measurement to meet EN 61000-6-4 requirements and operating in a manner which tends to maximize its emission characteristics in a normal application.

EUT : Bidirectional battery inverter
Model Number : PCS500

4.5. Operating Condition of EUT

- 4.5.1. Setup the EUT as shown on Section 4.1.
- 4.5.2. Turn on the power of all equipment.
- 4.5.3. Let the EUT work in measuring mode (ON-Grid) and measure it.

4.6. Test Procedure

The EUT is put on the plane 0.1m high above the ground by insulating support and the AC Output Power Ports connected to the AC mains through Line Impedance Stability Network (L.I.S.N). This provided a 50ohm coupling impedance for the tested equipments. All of the output lines are investigated to find out the maximum conducted emission according to the EN 61000-6-4 regulations during conducted emission measurement.

The bandwidth of the field strength meter (R&S Test Receiver ESCS30) is set at 9kHz in 150kHz~30MHz and 200Hz in 9kHz~150kHz.

The frequency range from 150kHz to 30MHz is investigated.

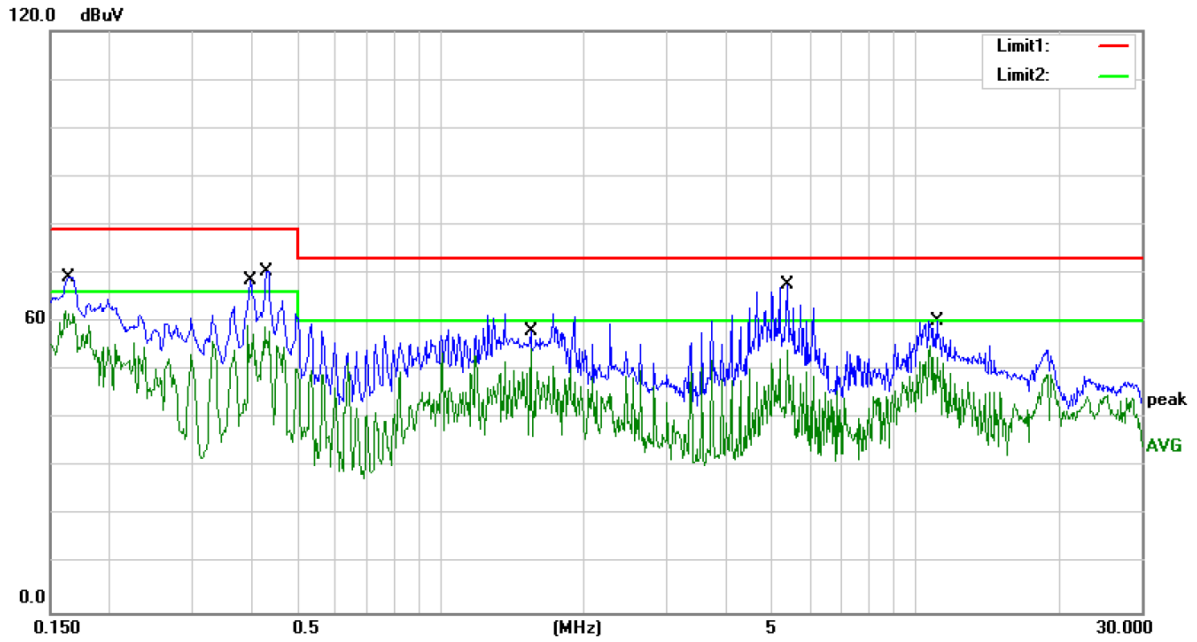
All the scanning waveform is put in the following pages.

4.7. Measuring Results

PASS.

Please see the attached pages.

Temperature	:	24.8 °C
Humidity	:	51%
Atmospheric Pressure	:	101kpa
Test Engineer	:	LJ
Test Date	:	2023-05-16



Site 10m Chamber 1#

Phase: **L1**

Temperature: 24.8

Limit: (CE)EN61000-6-4_QP

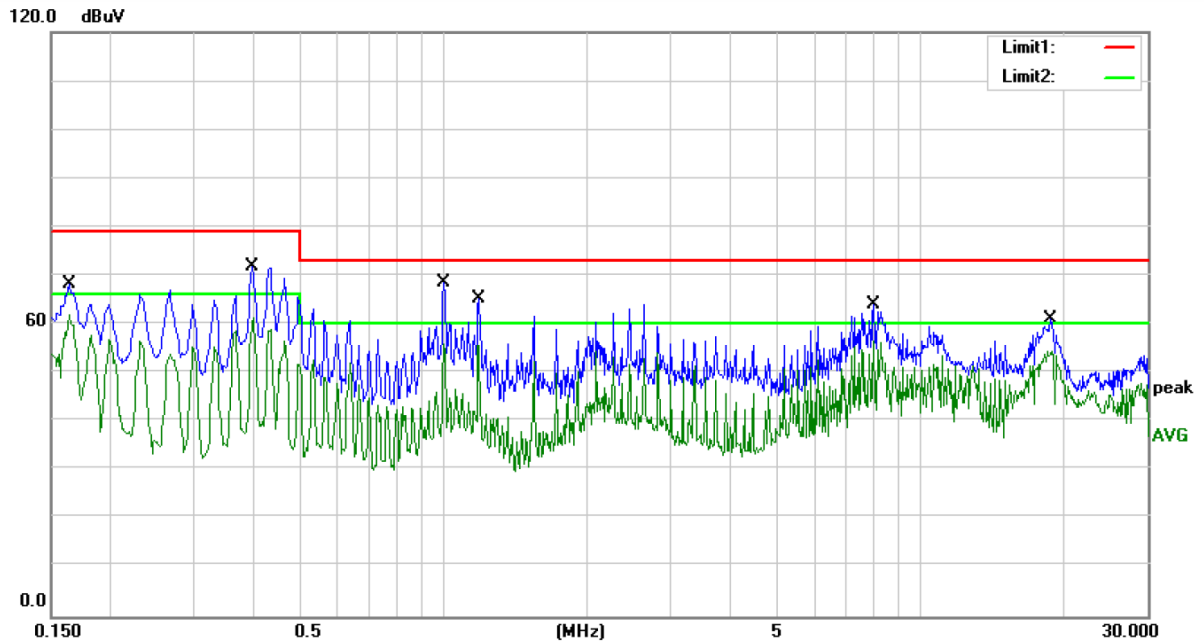
Power: AC400V/50Hz&DC 800V

Humidity: 51 %

Mode: ON-Grid

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1632	59.32	9.89	69.21	79.00	-9.79	QP	
2	*	0.1632	52.46	9.89	62.35	66.00	-3.65	AVG	
3		0.3955	58.69	9.91	68.60	79.00	-10.40	QP	
4		0.3955	49.20	9.91	59.11	66.00	-6.89	AVG	
5		0.4282	60.53	9.91	70.44	79.00	-8.56	QP	
6		0.4282	48.18	9.91	58.09	66.00	-7.91	AVG	
7		1.5436	48.01	9.97	57.98	73.00	-15.02	QP	
8		1.5436	44.43	9.97	54.40	60.00	-5.60	AVG	
9		5.3615	55.49	10.01	65.50	73.00	-7.50	QP	
10		5.3615	44.15	10.01	54.16	60.00	-5.84	AVG	
11		11.0791	50.11	10.08	60.19	73.00	-12.81	QP	
12		11.0791	44.89	10.08	54.97	60.00	-5.03	AVG	



Site 10m Chamber 1#

Phase: **L2**

Temperature: 24.8

Limit: (CE)EN61000-6-4_QP

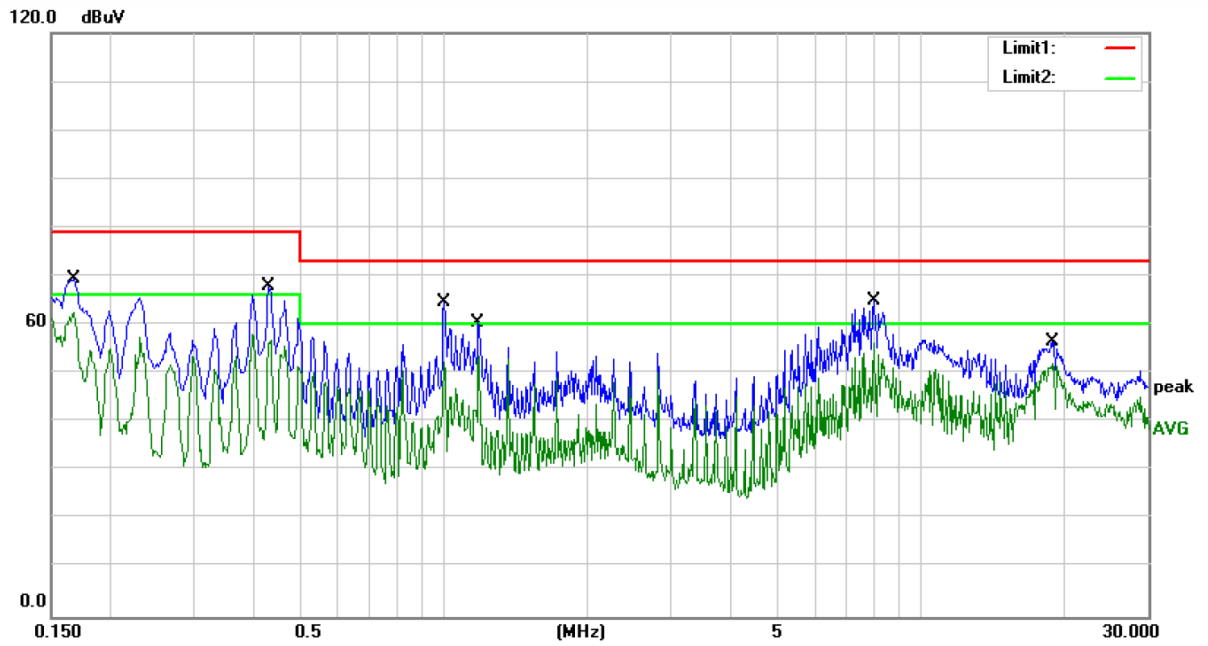
Power: AC400V/50Hz&DC 800V

Humidity: 51 %

Mode: ON-Grid

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1632	58.21	9.89	68.10	79.00	-10.90	QP	
2		0.1632	52.20	9.89	62.09	66.00	-3.91	AVG	
3		0.3955	61.86	9.91	71.77	79.00	-7.23	QP	
4		0.3955	51.43	9.91	61.34	66.00	-4.66	AVG	
5		0.9996	58.47	9.96	68.43	73.00	-4.57	QP	
6		0.9996	46.04	9.96	56.00	60.00	-4.00	AVG	
7		1.1840	55.15	9.96	65.11	73.00	-7.89	QP	
8		1.1840	45.67	9.96	55.63	60.00	-4.37	AVG	
9		7.9774	53.91	10.04	63.95	73.00	-9.05	QP	
10	*	7.9774	46.51	10.04	56.55	60.00	-3.45	AVG	
11		18.7210	50.94	10.15	61.09	73.00	-11.91	QP	
12		18.7210	44.34	10.15	54.49	60.00	-5.51	AVG	



Site 10m Chamber 1#

Phase: **L3**

Temperature: 24.8

Limit: (CE)EN61000-6-4_QP

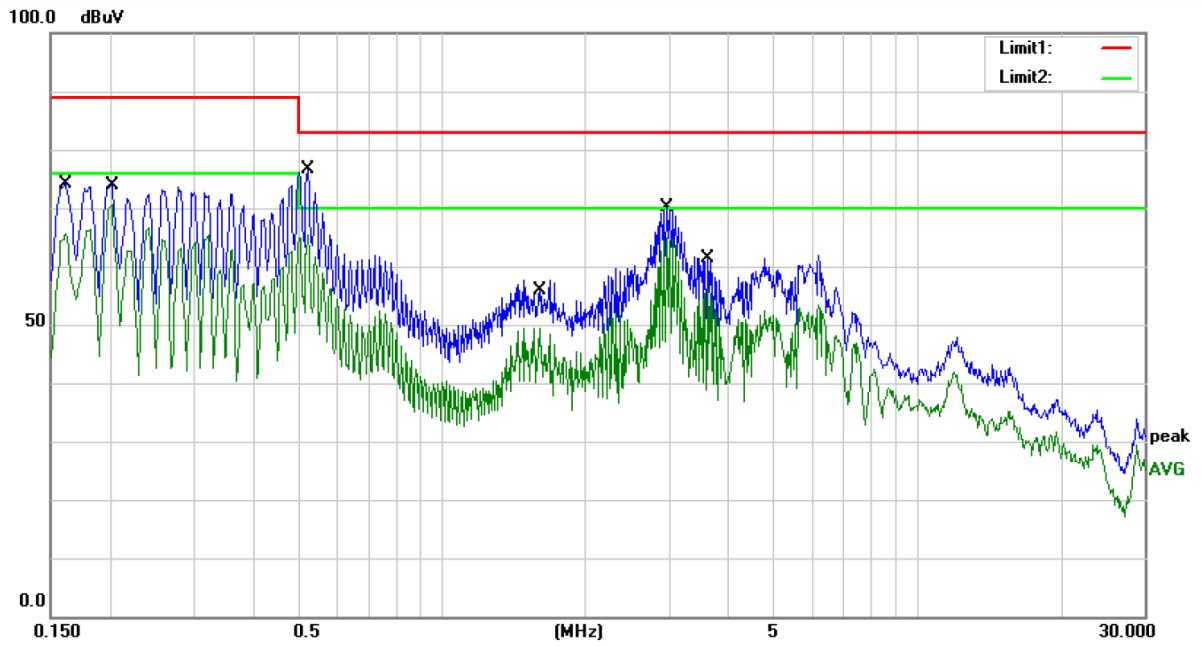
Power: AC400V/50Hz&DC 800V

Humidity: 51 %

Mode: ON-Grid

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1675	59.70	9.89	69.59	79.00	-9.41	QP	
2	*	0.1675	52.80	9.89	62.69	66.00	-3.31	AVG	
3		0.4282	57.94	9.91	67.85	79.00	-11.15	QP	
4		0.4282	46.85	9.91	56.76	66.00	-9.24	AVG	
5		0.9996	54.62	9.96	64.58	73.00	-8.42	QP	
6		0.9996	42.25	9.96	52.21	60.00	-7.79	AVG	
7		1.1780	50.36	9.96	60.32	73.00	-12.68	QP	
8		1.1780	43.58	9.96	53.54	60.00	-6.46	AVG	
9		7.9774	54.91	10.04	64.95	73.00	-8.05	QP	
10		7.9774	46.33	10.04	56.37	60.00	-3.63	AVG	
11		18.8201	46.49	10.16	56.65	73.00	-16.35	QP	
12		18.8201	41.84	10.16	52.00	60.00	-8.00	AVG	



Site 10m Chamber 1#

Phase: +

Temperature: 25.1

Limit: (CE)EN61000-6-4_QP_DC POWER

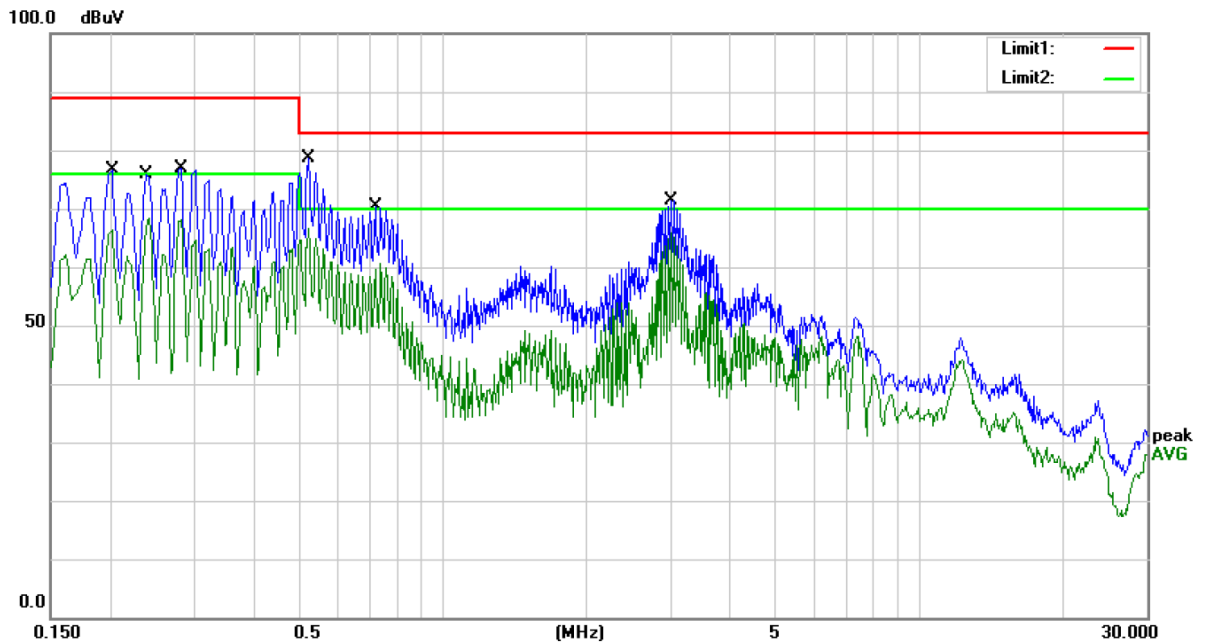
Power: AC400V/50Hz&DC 800V

Humidity: 45 %

Mode: ON-Grid

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1615	64.13	10.09	74.22	89.00	-14.78	QP	
2		0.1615	55.52	10.09	65.61	76.00	-10.39	AVG	
3		0.2017	63.82	10.10	73.92	89.00	-15.08	QP	
4		0.2017	60.46	10.10	70.56	76.00	-5.44	AVG	
5		0.5210	66.44	10.10	76.54	83.00	-6.46	QP	
6	*	0.5210	55.25	10.10	65.35	70.00	-4.65	AVG	
7		1.6020	45.75	10.15	55.90	83.00	-27.10	QP	
8		1.6020	39.34	10.15	49.49	70.00	-20.51	AVG	
9		2.9620	60.06	10.15	70.21	83.00	-12.79	QP	
10		2.9620	54.76	10.15	64.91	70.00	-5.09	AVG	
11		3.6032	51.28	10.18	61.46	83.00	-21.54	QP	
12		3.6032	45.87	10.18	56.05	70.00	-13.95	AVG	



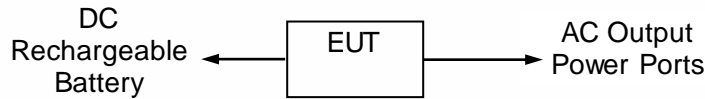
Site 10m Chamber 1# Phase: - Temperature: 25.1
 Limit: (CE)EN61000-6-4_QP_DC POWER Power: AC400V/50Hz&DC 800V Humidity: 45 %
 Mode: ON-Grid
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.2017	66.44	10.10	76.54	89.00	-12.46	QP	
2		0.2017	56.35	10.10	66.45	76.00	-9.55	AVG	
3		0.2378	65.69	10.10	75.79	89.00	-13.21	QP	
4		0.2378	58.23	10.10	68.33	76.00	-7.67	AVG	
5		0.2816	66.83	10.09	76.92	89.00	-12.08	QP	
6		0.2816	57.97	10.09	68.06	76.00	-7.94	AVG	
7		0.5210	66.40	10.10	76.50	83.00	-6.50	QP	
8	*	0.5210	56.42	10.10	66.52	70.00	-3.48	AVG	
9		0.7197	60.11	10.14	70.25	83.00	-12.75	QP	
10		0.7197	50.54	10.14	60.68	70.00	-9.32	AVG	
11		3.0093	61.26	10.15	71.41	83.00	-11.59	QP	
12		3.0093	55.64	10.15	65.79	70.00	-4.21	AVG	

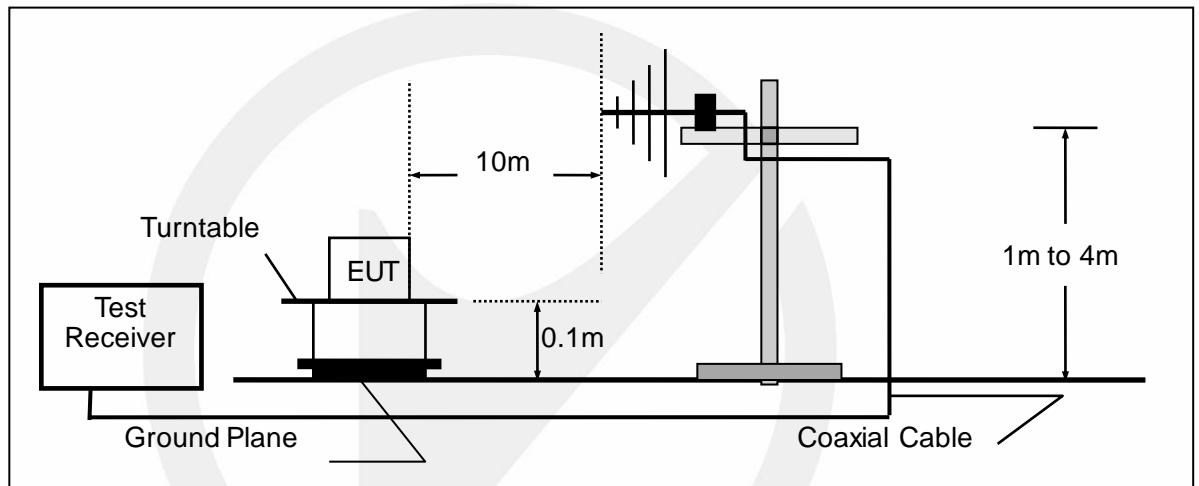
5. RADIATED EMISSION MEASUREMENT

5.1. Block Diagram of Test Setup

5.1.1. Block diagram of EUT System



5.1.2. Block diagram of test setup (In chamber)



5.2. Measuring Standard

EN IEC 61000-6-4: 2019

5.3. Radiated Emission Limits

FREQUENCY (MHz)	DISTANCE (Meters)	FIELD STRENGTHS LIMIT (dB μ V/m)
30 ~ 230	10	40
230 ~ 1000	10	47

Note: (1) The smaller limit shall apply at the combination point between two frequency bands.
(2) Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the EUT.

5.4. EUT Configuration on Measurement

The EN 61000-6-4 regulations test method must be used to find the maximum emission during radiated emission measurement.

EUT : Bidirectional battery inverter
Model Number : PCS500

5.5. Operating Condition of EUT

5.5.1. Setup the EUT as shown on Section 5.1.

5.5.2. Turn on the power of all equipment.

5.5.3. Let the EUT work in measuring mode (ON-Grid) and measure it.

5.6. Test Procedure

The EUT is placed on a turntable which is 0.1 meter high above the ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 10 meters away from the receiving antenna that is mounted on an antenna tower. The antenna can be moved up and down from 1 to 4 meters to find out the maximum emission level. Bilog antenna (calibrated by Dipole Antenna) is used as a receiving antenna. Both horizontal and vertical polarization of the antenna is set on test.

The bandwidth of the Receiver is set at 120kHz.

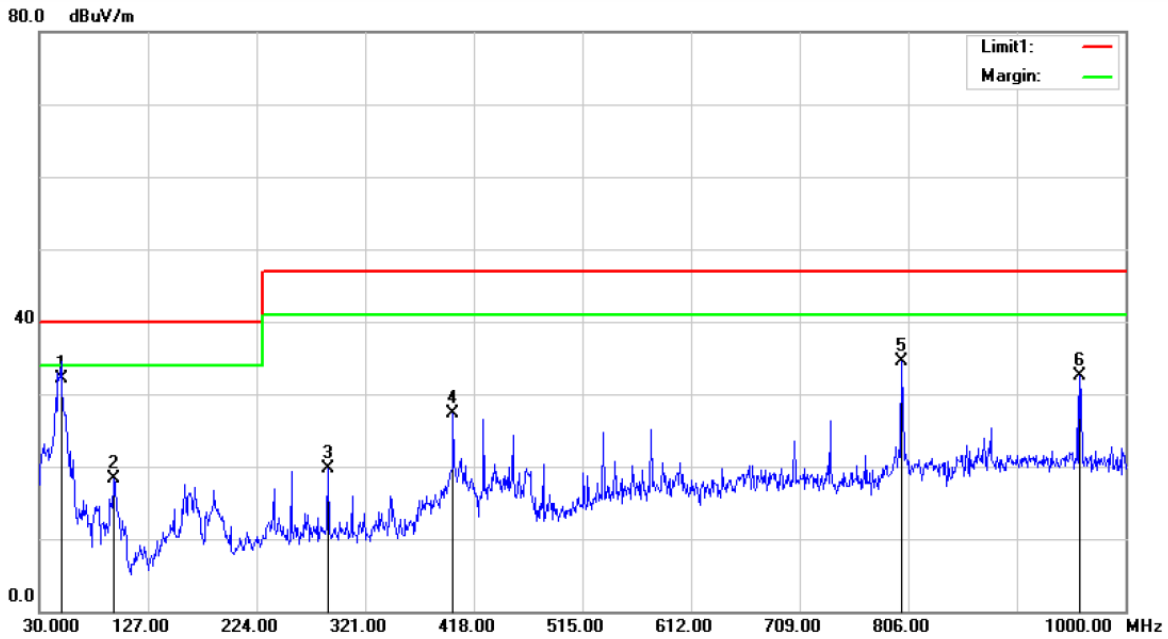
All the modes were tested and the data of the worsted mode(ON) are attached in the following pages.

5.7. Measuring Results

PASS.

The frequency range from 30MHz to 1000MHz is investigated.

Please see the attached pages.

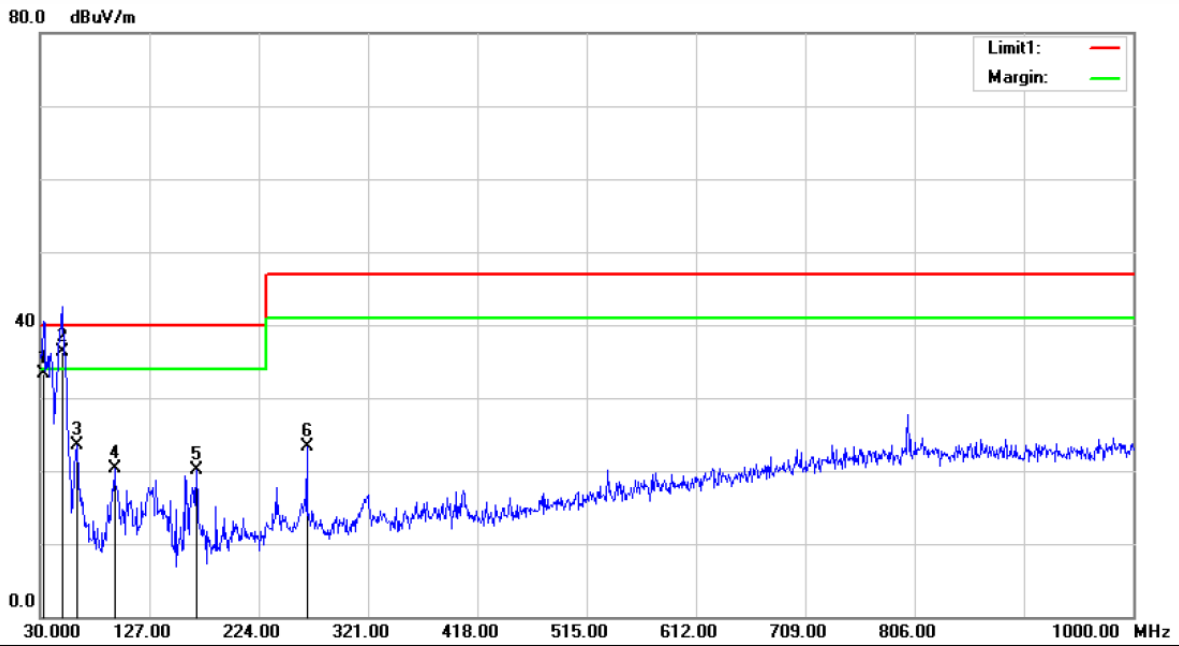


Site :10m Chamber #1 Polarization: **Horizontal** Temperature: 26
 Limit: (RE 10M)EN61000-6-4 Power: AC 380V/50Hz Humidity: 60 %
 Mode:ON
 Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree degree	Comment
1	*	49.4000	60.95	-28.85	32.10	40.00	-7.90	QP		
2		96.9300	49.76	-31.44	18.32	40.00	-21.68	QP		
3		288.0200	46.71	-26.98	19.73	47.00	-27.27	QP		
4		399.5700	50.76	-23.44	27.32	47.00	-19.68	QP		
5		800.1800	51.53	-16.93	34.60	47.00	-12.40	QP		
6		959.2600	45.96	-13.53	32.43	47.00	-14.57	QP		

*:Maximum data x:Over limit !:over margin

Operator: CSL



Site :10m Chamber #1 Polarization: **Vertical** Temperature: 26
 Limit: (RE 10M)EN61000-6-4 Power: AC 380V/50Hz Humidity: 60 %
 Mode:ON
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		32.9100	64.55	-31.15	33.40	40.00	-6.60			QP
2	*	49.4000	65.17	-28.77	36.40	40.00	-3.60			QP
3		62.9800	54.06	-30.52	23.54	40.00	-16.46			QP
4		95.9600	50.95	-30.67	20.28	40.00	-19.72			QP
5		168.7100	52.74	-32.68	20.06	40.00	-19.94			QP
6		266.6800	50.52	-27.13	23.39	47.00	-23.61			QP

*:Maximum data x:Over limit !:over margin

Operator: CSL

6. IMMUNITY PERFORMANCE CRITERIA DESCRIPTION

Performance Level

The test results shall be classified in terms of the loss of function or degradation of performance of the equipment under test, relative to a performance level by its manufacturer or the requestor of the test, or the agreed between the manufacturer and the purchaser of the product.

Definition related to the performance level:

1. Based on the used product standard
2. Based on the declaration of the manufacturer, requestor or purchaser

Criterion A:

Definition: normal performance within limits specified by the manufacturer, requestor and purchaser.

The equipment shall continue to operate as intended without operator intervention. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer when the equipment is used as intended. The performance level may be replaced by a permissible loss of performance. If the minimum performance level or the permissible performance loss is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.

Criterion B:

Definition: temporary loss of function or degradation of performance which ceases after the disturbance ceases, and from which the equipment under test recovers its normal performance, without operator intervention.

After the test, the EUT shall continue to operate as intended without operator intervention. No degradation of performance or loss of function is allowed, after the application of the phenomena below a performance level specified by the manufacturer, when the EUT is used as intended. The performance level may be replaced by a permissible loss of performance. During the test, degradation of performance is allowed. However, no change of operating state or stored data is allowed to persist after the test. If the minimum performance level (or the permissible performance loss) is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and by what the user may reasonably expect from the EUT if used as intended.

Criterion C:

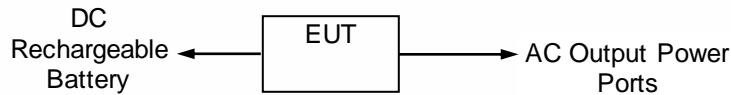
Definition: temporary loss of function or degradation of performance, the correction of which requires operator intervention.

Loss of function is allowed, provided the function is self-recoverable, or can be restored by the operation of the controls by the user in accordance with the manufacturer's instructions. Functions, and/or information stored in non-volatile memory, or protected by a battery backup, shall not be lost.

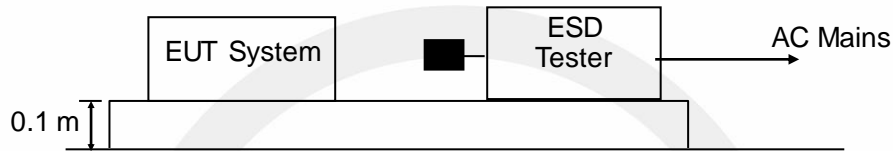
7. ELECTROSTATIC DISCHARGE IMMUNITY TEST

7.1. Block Diagram of Test Setup

7.1.1. Block diagram of EUT System



7.1.2. Block diagram of ESD test setup



7.2. Test Standard

EN IEC 61000-6-2: 2019
 (IEC61000-4-2:2008 Severity Level: 3 / Air Discharge: $\pm 8\text{kV}$;
 Level: 2 / Contact Discharge: $\pm 4\text{kV}$)

7.3. Severity Levels and Performance Criterion

7.3.1. Severity level

Level	Test Voltage Contact Discharge (kV)	Test Voltage Air Discharge (kV)
1	± 2	± 2
2	± 4	± 4
3	± 6	± 8
4	± 8	± 15
X	Special	Special

7.3.2. Performance criterion: B

7.4. Operating Condition of EUT

7.4.1. Setup the EUT as shown on Section 7.1.

7.4.2. Turn on the power of all equipment.

7.4.3. Let the EUT work in test mode (ON-Grid) and test it.

7.5. Test Procedure

7.5.1. Air Discharge:

This test is done on a non-conductive surface. The round discharge tip of the discharge electrode shall be approached as fast as possible to touch the EUT. After each discharge, the discharge electrode shall be removed from the EUT. The generator is then re-triggered for a new single discharge and repeated 10 times for each pre-selected test point. This procedure shall be repeated until all the air discharge completed.

7.5.2. Contact Discharge:

All the procedure shall be same as Section 7.5.1. Except that the tip of the discharge electrode shall touch the EUT before the discharge switch is operated.

7.5.3. Indirect discharge for horizontal coupling plane

At least 10 single discharges (in the most sensitive polarity) shall be applied at the front edge of each HCP opposite the center point of each unit (if applicable) of the EUT and 0.1m from the front of the EUT. The long axis of the discharge electrode shall be in the plane of the HCP and perpendicular to its front edge during the discharge.

7.5.4. Indirect discharge for vertical coupling plane

At least 10 singles discharge (in the most sensitive polarity) shall be applied to the center of one vertical edge of the coupling plane. The coupling plane, of dimensions 0.5m×0.5m, is placed parallel to, and positioned at a distance of 0.1m from the EUT. Discharges shall be applied to the coupling plane, with this plane in sufficient different positions that the four faces of the EUT are completely illuminated.

7.6. Test Results

PASS.

Please refer to the following page.

Electrostatic Discharge Test Results

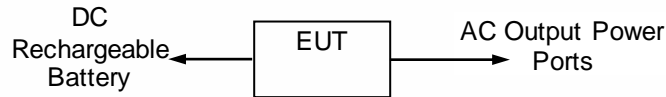
EMTEK (SHENZHEN) CO., LTD.

Applicant	: Enercap Power industries LLC		
EUT	: Bidirectional battery inverter	Test Date	: August 28, 2017
M/N	: PCS500	Temperature	: 22°C
Power Supply	: AC 400V/50Hz & DC 800V	Humidity	: 50%
Air discharge	: ± 8.0kV	Test Mode	: ON-Grid
Contact discharge:	± 4.0kV	Criterion	: B
Location	Kind A-Air Discharge C-Contact Discharge	Result	
Slot	A	A	
Metal	C	A	
HCP of all sides	C	A	
VCP of front	C	A	
VCP of rear	C	A	
VCP of left	C	A	
VCP of right	C	A	
Note:			

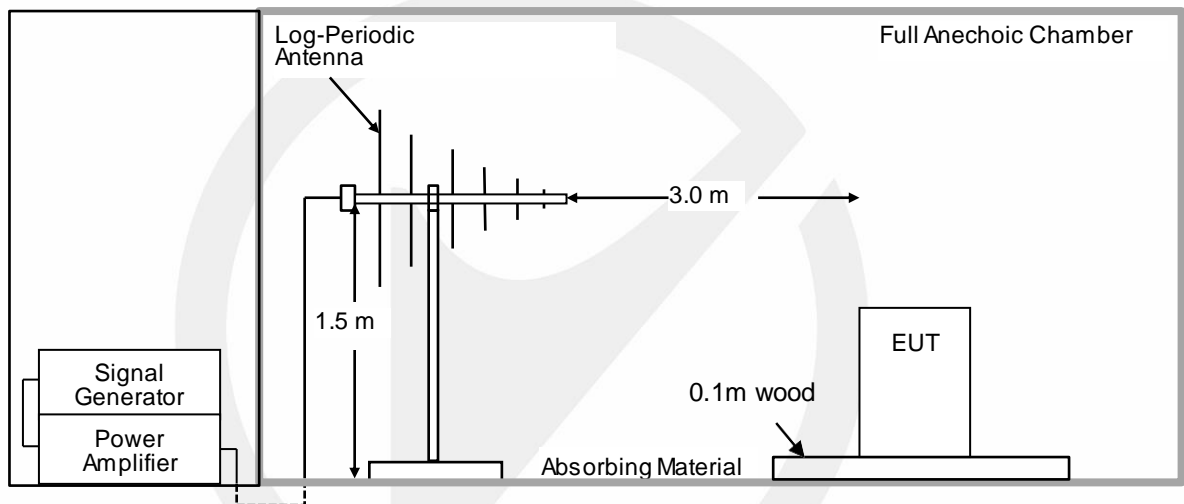
8. RF FIELD STRENGTH SUSCEPTIBILITY TEST

8.1. Block Diagram of Test Setup

8.1.1. Block diagram of EUT System



8.1.2. Block diagram of RS test setup



8.2. Test Standard

EN IEC 61000-6-2: 2019 (IEC61000-4-3:2006+A1:2007+A2:2010,
Severity Level: 3 V/m, 10 V/m)

8.3. Severity Levels and Performance Criterion

8.3.1. Severity Levels

Level	Field Strength V/m
1.	1
2.	3
3.	10
X	Special

8.3.2. Performance Criterion: A

8.4. Operating Condition of EUT

- 8.4.1. Setup the EUT as shown on Section 8.1.
- 8.4.2. Turn on the power of all equipment.
- 8.4.3. Let the EUT work in test mode (ON-Grid) and test it.

8.5. Test Procedure

The EUT are placed on a table that is 0.1 meter high above the ground. The EUT is set 3 meters away from the transmitting antenna that is mounted on an antenna tower. Both horizontal and vertical polarization of the antenna is set on test. Each of the four sides of the EUT must be faced this transmitting antenna and measured individually.

In order to judge the EUT performance, a CCD camera is used to monitor it. All the scanning conditions are as following:

Condition of Test	Remark
1. Fielded Strength	3V/m (Severity Level 2) 10V/m (Severity Level 3)
2. Radiated Signal	Modulated
3. Scanning Frequency	80-6000MHz
4. Sweep time of radiated	0.0015 Decade/s
5. Dwell Time	1 Sec.

8.6. Test Results

PASS.

Please refer to the following pages.

RF Field Strength Susceptibility Test Results

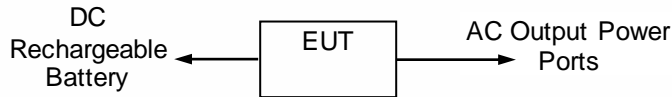
EMTEK (SHENZHEN) CO., LTD.

Applicant : Enercap Power industries LLC		Test Date : May 18, 2023	
EUT : Bidirectional battery inverter		Temperature : 20.9°C	
M/N : PCS500		Humidity : 55%	
Field Strength : 10 V/m		Criterion : A	
Power Supply : AC 400V/50Hz & DC 800V		Frequency Range : 80MHz to 1000MHz, 1400MHz to 6000MHz	
Test Mode : ON-Grid			
Modulation: <input type="checkbox"/> None <input type="checkbox"/> Pulse <input checked="" type="checkbox"/> AM 1kHz 80%			
Frequency Rang 1: 80~ 1000MHz 10V/m		Frequency Rang 2: 1400MHz to 6000MHz 3V/m	
Steps	1%		
	Horizontal	Vertical	Vertical
Front	A	A	A
Right	A	A	A
Rear	A	A	A
Left	A	A	A
Test Equipment: 1. Signal Generator: 2023B (AEROFLEX) 2. Power Amplifier: AS0102-55 (MILMEGA) & AP32MT215 (PRANA) 3. Log.-Per. Antenna: VULP9118E (SCHWARZBECK) 4. Broad-Band Horn Antenna: BBHA 9120L3F (SCHWARZBECK) 5. RF Power Meter. Dual Channel: 4232A (BOONTON) 6. Field Strength Meter: HI-6005 (HOLADAY)			
Note:			

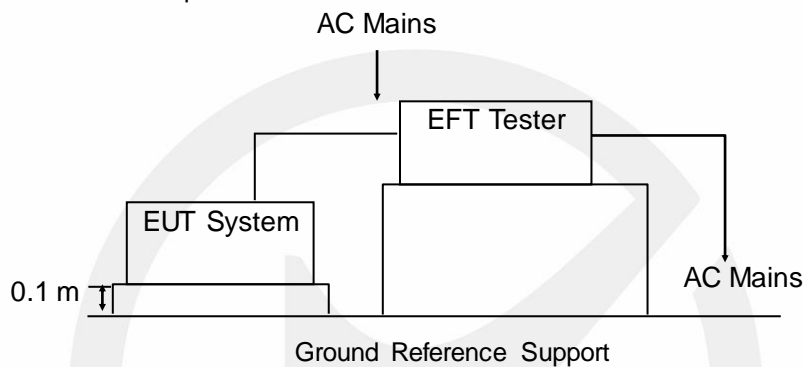
9. ELECTRICAL FAST TRANSIENT/BURST IMMUNITY TEST

9.1. Block Diagram of Test Setup

9.1.1. Block Diagram of EUT System



9.1.2. EFT Test Setup



9.2. Test Standard

EN IEC 61000-6-2: 2019 (IEC 61000-4-4:2012, Severity Level:
AC Output Power Ports: 2kV)

9.3. Severity Levels and Performance Criterion

9.3.1. Severity level

Level	Open Circuit Output Test Voltage $\pm 10\%$	
	On Power Supply Lines	On I/O (Input/Output) Signal data and control lines
1	0.5 kV	0.25 kV
2	1 kV	0.5 kV
3	2 kV	1 kV
4	4 kV	2 kV
X	Special	Special

9.3.2. Performance criterion: B

9.4. Operating Condition of EUT

9.4.1. Setup the EUT as shown on Section 9.1.

9.4.2. Turn on the power of all equipment.

9.4.3. Let the EUT work in test mode (ON) and test it.

9.5. Test Procedure

The EUT is put on the table that is 0.1 meter high above the ground. This reference ground plane shall project beyond the EUT by at least 0.1m on all sides and the minimum distance between EUT and all other conductive structure, except the ground plane beneath the EUT, shall be more than 0.5m.

9.5.1. For input and output AC power ports:

The EUT is connected to the power mains by using a coupling device that couples the EFT interference signal to DC power lines. Both polarities of the test voltage should be applied during compliance test and the duration of the test is 2 mins.

9.5.2. For signal lines and control lines ports:

No I/O ports. It's unnecessary to test.

9.5.3. For DC output line ports:

The AC Output Power Ports of EUT are connected to the AC power mains by using a coupling device that couples the EFT interference signal to AC power lines (AC Output Power Ports). All of the test voltage should be applied during compliance test and the duration of the test is 2 mins.

9.6. Test Results

PASS.

Please refer to the following page.

Electrical Fast Transient/Burst Test Results

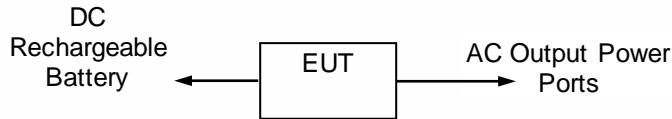
EMTEK (SHENZHEN) CO., LTD.

Applicant : <u>Enercap Power industries LLC</u>			
EUT : <u>Bidirectional battery inverter</u>		Test Date : <u>May 18, 2023</u>	
M/N : <u>PCS500</u>		Temperature : <u>23.8°C</u>	
Power Supply : <u>AC 400V/50Hz & DC 800V</u>		Humidity : <u>48%</u>	
Test Mode : <u>ON-Grid</u>		Criterion : <u>B</u>	
Line : <input checked="" type="checkbox"/> A C Mains		Line : <input checked="" type="checkbox"/> DC Line <input type="checkbox"/> Signal <input type="checkbox"/> I/O Cable	
Coupling : <input checked="" type="checkbox"/> Direct		Coupling : <input checked="" type="checkbox"/> Capacitive	
Test Time : 120s			
Line	Test Voltage	Result(+)	Result(-)
L1, L2, L3, N, PE	2kV	A	A
L1-L2, L1-L3, L2-L3, L1-N, L2-N, L3-N	2kV	A	A
L1-PE, L2-PE, L3-PE, N-PE	2kV	A	A
L1-L2-PE, L1-L3-PE, L2-L3-PE, L1-L2-L3, L1-L2-N, L1-L3-N, L2-L3-N, L1-N-PE, L2-N-PE, L3-N-PE	2kV	A	A
L1-L2-L3-PE, L1-L2-L3-N, L1-L2-N-PE, L1-L3-N-PE, L2-L3-N-PE	2kV	A	A
Signal Line			
DC Line	2kV	A	A
Note:			

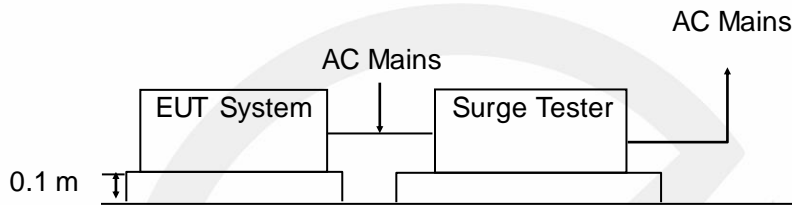
10. SURGE IMMUNITY TEST

10.1. Block Diagram of Test Setup

10.1.1. Block Diagram of EUT System



10.1.2. Surge Test Setup



10.2. Test Standard

EN IEC 61000-6-2: 2019
(IEC61000-4-5:2014, Severity Level: AC Output Power Ports:
Line to Line: Level 2, 1.0kV; Line to earth, Level 3, 2.0kV, DC Line, Level 1, 0.5kV)

10.3. Severity Levels and Performance Criterion

10.3.1. Severity level

Severity Level	Open-Circuit Test Voltage kV
1	0.5
2	1.0
3	2.0
4	4.0
*	Special

10.3.2. Performance criterion: B

10.4. Operating Condition of EUT

- 10.4.1. Setup the EUT as shown on Section 10.1.
- 10.4.2. Turn on the power of all equipment.
- 10.4.3. Let the EUT work in test mode (ON-Grid) and test it.

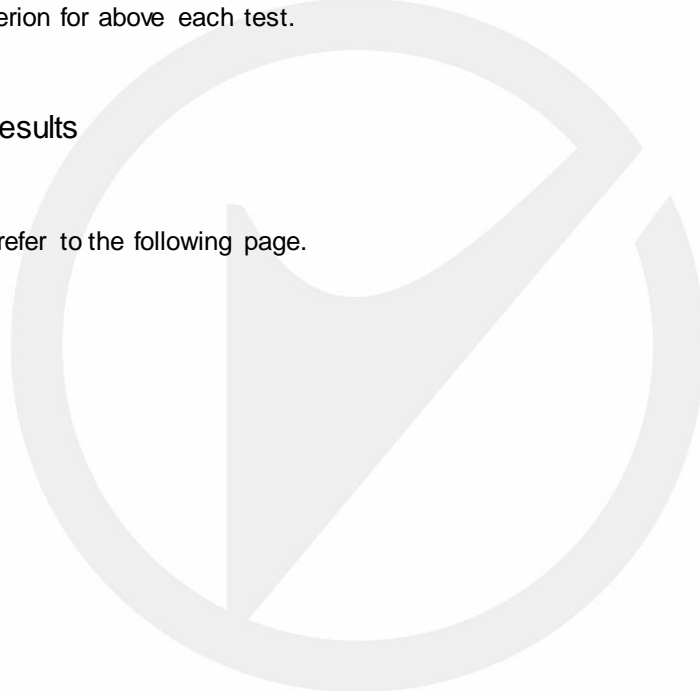
10.5. Test Procedure

- 1) Set up the EUT and test generator as shown on Section 10.1.2.
- 2) For AC Output Power Ports: For line to line coupling mode, provide a 1.0 kV 1.2/50us voltage surge (at open-circuit condition) and 8/20us current surge to EUT selected points. For line to Earth coupling mode, provide a 2.0 kV 1.2/50us voltage surge (at open-circuit condition) and 8/20us current surge to EUT selected points. 1.2/50us voltage surge (at open-circuit condition) and 8/20us current surge to EUT selected points.
For DC line coupling mode, provide a 0.5 kV 1.2/50us voltage surge (at open-circuit condition) and 8/20us current surge to EUT selected points.
- 3) At least 5 positive and 5 negative (polarity) tests with a maximum 1/min repetition rate are conducted during test.
- 4) Different phase angles are done individually.
- 5) Record the EUT operating situation during compliance test and decide the EUT immunity criterion for above each test.

10.6. Test Results

PASS.

Please refer to the following page.



Surge Immunity Test Results

EMTEK (SHENZHEN) CO., LTD.

Applicant : Enercap Power industries LLC

EUT : Bidirectional battery inverter

M/N : PCS500

Power Supply : AC 400V/50Hz & DC 800V

Test Mode : ON-Grid

Test Date : August 28, 2017

Temperature : 22°C

Humidity : 50%

Criterion : B

Location	Polarity	Phase Angle	Number of Pulse	Pulse Voltage (kV)	Result
L1-L2, L1-L3, L2-L3	+	0°, 90°, 180°, 270°	5	1.0	A
	-	0°, 90°, 180°, 270°	5	1.0	A
L1-N, L2-N, L3-N	+	0°, 90°, 180°, 270°	5	1.0	A
	-	0°, 90°, 180°, 270°	5	1.0	A
L1-PE, L2-PE, L3-PE	+	0°, 90°, 180°, 270°	5	2.0	A
	-	0°, 90°, 180°, 270°	5	2.0	A
N-PE	+	0°, 90°, 180°, 270°	5	2.0	A
	-	0°, 90°, 180°, 270°	5	2.0	A
DC Line	+	random	5	0.5	A
	-	random	5	0.5	A

Remark:

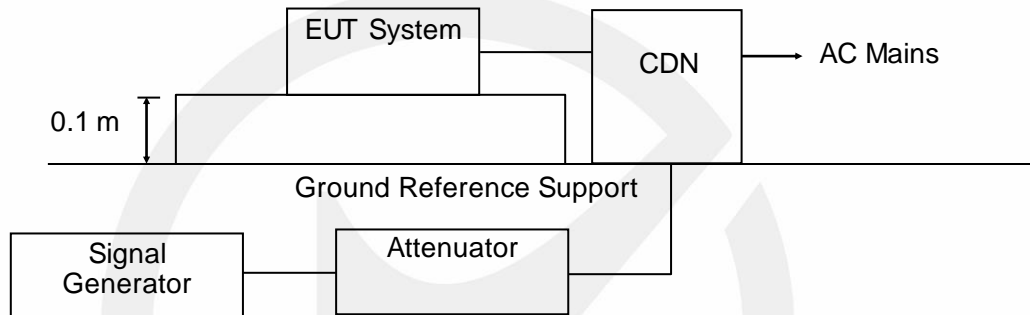
11. INJECTED CURRENTS SUSCEPTIBILITY TEST

11.1. Block Diagram of Test Setup

11.1.1. Block Diagram of EUT System



11.1.2. Block Diagram of Test Setup



11.2. Test Standard

EN IEC 61000-6-2: 2019
(IEC61000-4-6:2013, Severity Level: Level 3, 10V (r.m.s.), 0.15MHz ~ 80MHz)

11.3. Severity Levels and Performance Criterion

11.3.1. Severity level

Level	Field Strength V
1	1
2	3
3	10
X	Special

11.3.2. Performance criterion: A

11.4. Operating Condition of EUT

11.4.1. Setup the EUT as shown on Section 11.1.

11.4.2. Turn on the power of all equipment.

11.4.3. Let the EUT work in test mode (ON-Grid) and test it.

11.5. Test Procedure

- 1) Set up the EUT, CDN and test generators as shown on Section 11.1.2.
- 2) Let the EUT work in test mode and measure it.
- 3) The EUT are placed on an insulating support 0.8m high above a ground reference plane. CDN (coupling and decoupling device) is placed on the ground plane about 0.3m from EUT. Cables between CDN and EUT are as short as possible, and their height above the ground reference plane shall be between 30 and 50 mm (where possible).
- 4) The EUT are placed on an insulating support 0.8m high above a ground reference plane. EM-Clamp is placed on the ground plane about 0.3m from EUT.
- 5) The disturbance signal described below is injected to EUT through CDN.
- 6) The EUT operates within its operational mode(s) under intended climatic conditions after power on.
- 7) The frequency range is swept from 150kHz to 80MHz using 10V signal level, and with the disturbance signal 80% amplitude modulated with a 1kHz sine wave.
- 8) The rate of sweep shall not exceed 1.5×10^{-3} decades/s. Where the frequency is swept incrementally, the step size shall not exceed 1% of the start and thereafter 1% of the preceding frequency value.
- 9) Recording the EUT operating situation during compliance testing and decide the EUT immunity criterion.

11.6. Test Results

PASS.

Please refer to the following page.

Injected Currents Susceptibility Test Results

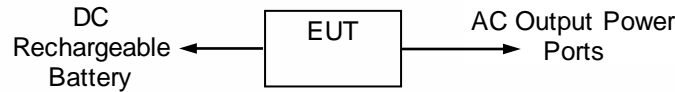
EMTEK (SHENZHEN) CO., LTD.

Applicant : <u>Enercap Power industries LLC</u> EUT : <u>Bidirectional battery inverter</u> M/N : <u>PCS500</u> Power Supply : <u>AC 400V/50Hz & DC 800V</u> Test Engineer : <u>ZCJ</u>					Test Date: <u>August 28, 2017</u> Temperature : <u>22°C</u> Humidity : <u>58%</u>				
Test Mode: ON-Grid									
Frequency Range (MHz)		Injected Position		Strength (Unmodulated)		Criterion		Result	
0.15 ~ 80		AC Output Power Ports		10V		A		A	
Test Mode : <u>N/A</u>									
Frequency Range (MHz)		Injected Position		Strength (Unmodulated)		Criterion		Result	
Remark : 1. Modulation Signal:1kHz 80% AM Measurement Equipment : Simulator: CWS 500 (SWITZERLAND EMTEST) CDN : <input type="checkbox"/> CDN-M2 (SWITZERLAND EMTEST) <input checked="" type="checkbox"/> CDN-M4 (SWITZERLAND EMTEST) <input type="checkbox"/> EM-Clamp (SWITZERLAND EMTEST)					Note:				

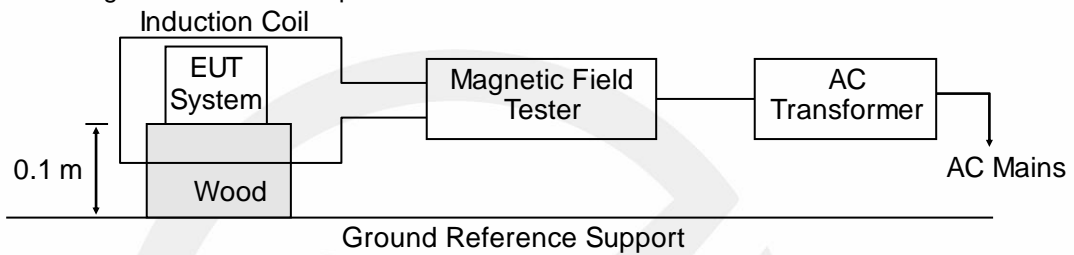
12. MAGNETIC FIELD SUSCEPTIBILITY TEST

12.1. Block Diagram of Test Setup

12.1.1. Block diagram of EUT System



12.1.2. Magnetic field test setup



12.2. Test Standard

EN IEC 61000-6-2: 2019
(IEC 61000-4-8:2009, Severity Level: Level 4, 30 A/m)

12.3. Severity Levels and Performance Criterion

12.3.1. Severity Levels

Level	Field Strength A/m
1	1
2	3
3	10
4	30
5	100
X	Special

12.3.2. Performance Criterion: A

12.4. Operating Condition of EUT

12.4.1. Setup the EUT as shown on Section 12.1.

12.4.2. Turn on the power of all equipment.

12.4.3. Let the EUT work in test mode (ON-Grid) and test it.

12.5. Test Procedure

The EUT is placed in the middle of a induction coil (1*1m), under which is a 1*1*0.1m (high) table, this small table is also placed on a larger table, 0.8 m above the ground. Both horizontal and vertical polarization of the induction coil is set on test, so that each side of the EUT is affected by the magnetic field. Also can reach the same aim by change the position of the EUT.

12.6. Test Results

PASS.

Please refer to the following page.



Magnetic Field Immunity Test Results

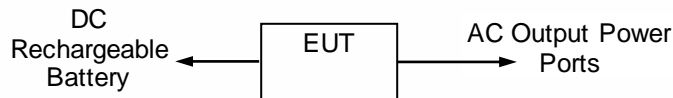
EMTEK (SHENZHEN) CO., LTD.

Standard: <input checked="" type="checkbox"/> EN 61000-4-8		Result: <input checked="" type="checkbox"/> PASS / <input type="checkbox"/> FAIL		
Applicant : <u>Enercap Power industries LLC</u> EUT : <u>Bidirectional battery inverter</u> M/N : <u>PCS500</u> Input Voltage : <u>AC 400V/50Hz & DC 800V</u> Date of Test : <u>August 28, 2017</u> Test Engineer: <u>ZCJ</u> Ambient Condition : Temp : <u>22°C</u> Humid: <u>55%</u> Criterion: A				
Operation Mode: ON-Grid				
Test Level (A/m)	Testing Duration	Coil Orientation	Criterion	Result
30	5 mins	X	A	A
30	5 mins	Y	A	A
30	5 mins	Z	A	A
Operation Mode: N/A				
Test Level (A/m)	Testing Duration	Coil Orientation	Criterion	Result
Test Equipment	Magnetic Field Test: HEAFELY MAG 100.1			
Note:				

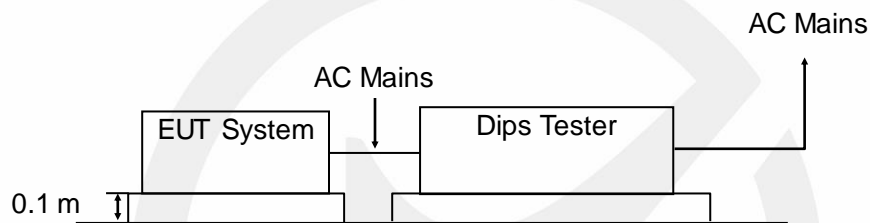
13. VOLTAGE DIPS AND INTERRUPTIONS TEST

13.1. Block Diagram of Test Setup

13.1.1. Block Diagram of EUT System



13.1.2. Dips Test Setup



13.2. Test Standard

EN IEC 61000-6-2: 2019 (IEC 61000-4-11:2004)

13.3. Severity Levels and Performance Criterion

13.3.1. Severity level

Test Level %UT	Voltage dip and short interruptions %UT	Duration (in period)
0	100	0.5 1 5
40	60	10 25 50
70	30	*

13.3.2. Performance criterion: B&C

13.4. Operating Condition of EUT

- 13.4.1. Setup the EUT as shown on Section 13.1.
- 13.4.2. Turn on the power of all equipment.
- 13.4.3. Let the EUT work in test mode (ON-Grid) and test it.

13.5. Test Procedure

- 1) Set up the EUT and test generator as shown on Section 13.1.2.
- 2) The interruption is introduced at selected phase angles with specified duration.
- 3) Record any degradation of performance.

13.6. Test Results

PASS.

Please refer to the following page.



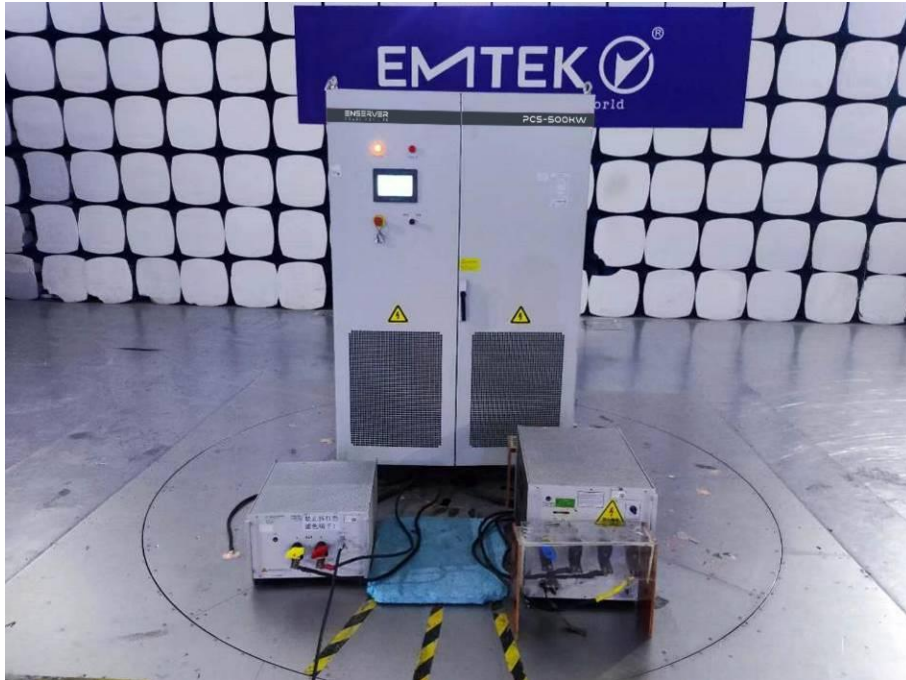
Voltage Dips and Interruptions Test Results

EMTEK(SHENZHEN) CO., LTD.

Applicant : <u>Enercap Power industries LLC</u>				
EUT : <u>Bidirectional battery inverter</u>			Test Date : <u>August 28, 2017</u>	
M/N : <u>PCS500</u>			Temperature : <u>24°C</u>	
Power Supply : <u>AC 400V/50Hz & DC 800V</u>			Humidity : <u>53%</u>	
Test Mode: ON-Grid				
Test Level % U _T	Voltage Dips & Short Interruptions % U _T	Duration (in periods)	Criterion <input type="checkbox"/> A <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> C <input type="checkbox"/> D	Result
0	100	1P	B	A
40	60	10P	C	A
70	30	25P	C	A
0	100	250P	C	B
Note: Test in 0%, 250P, EUT stop work, but could be recoverable by itself.				

14. PHOTOGRAPHS

14.1. Photos of Conducted Emission Measurement



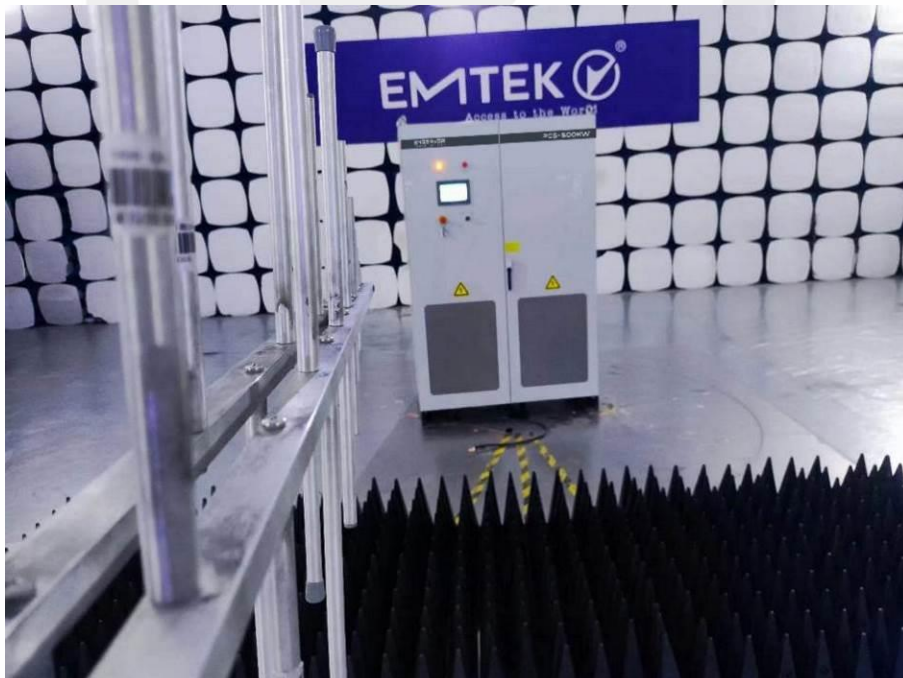
14.2.Photos of Radiation Emission Measurement

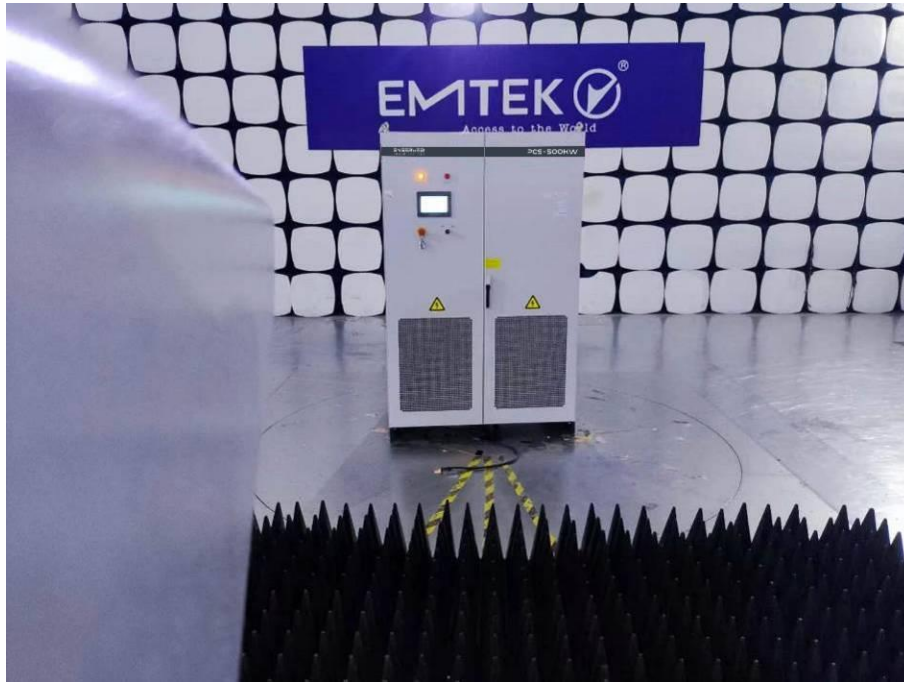


14.3.Photo of Electrostatic Discharge Test



14.4.Photo of RF Field Strength Susceptibility Test





14.5.Photo of Electrical Fast Transient / Burst Immunity Test





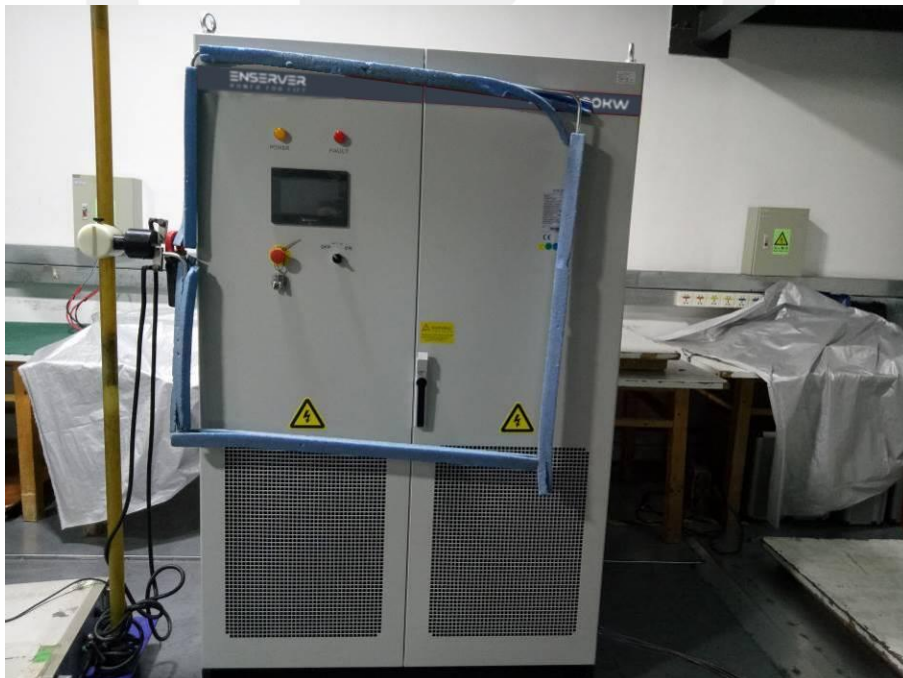
14.6.Photo of Surge Test



14.7. For Injected Current Susceptibility Test



14.8. Photo of Magnetic Field Immunity Test

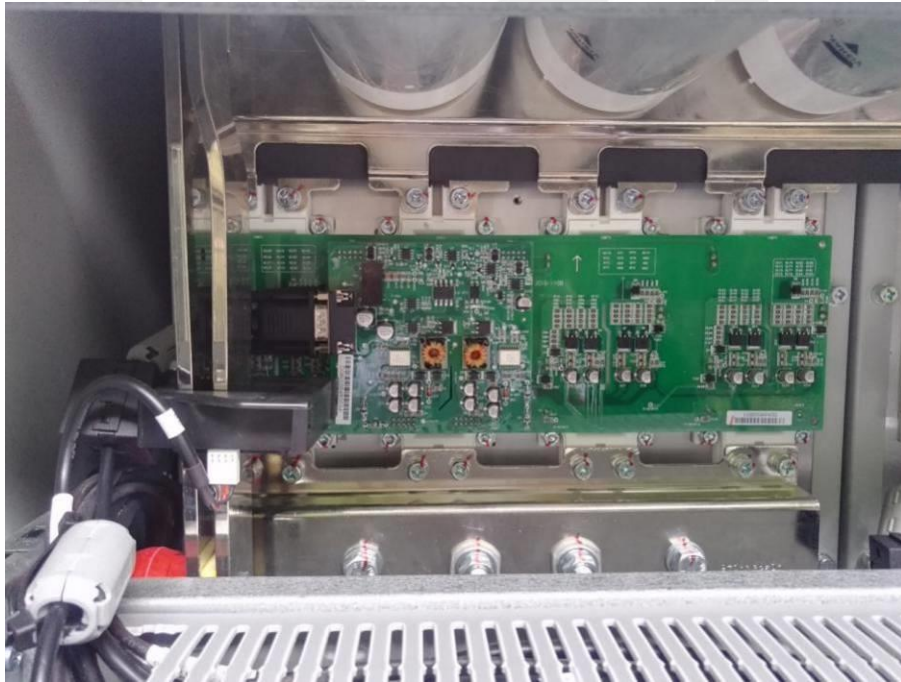


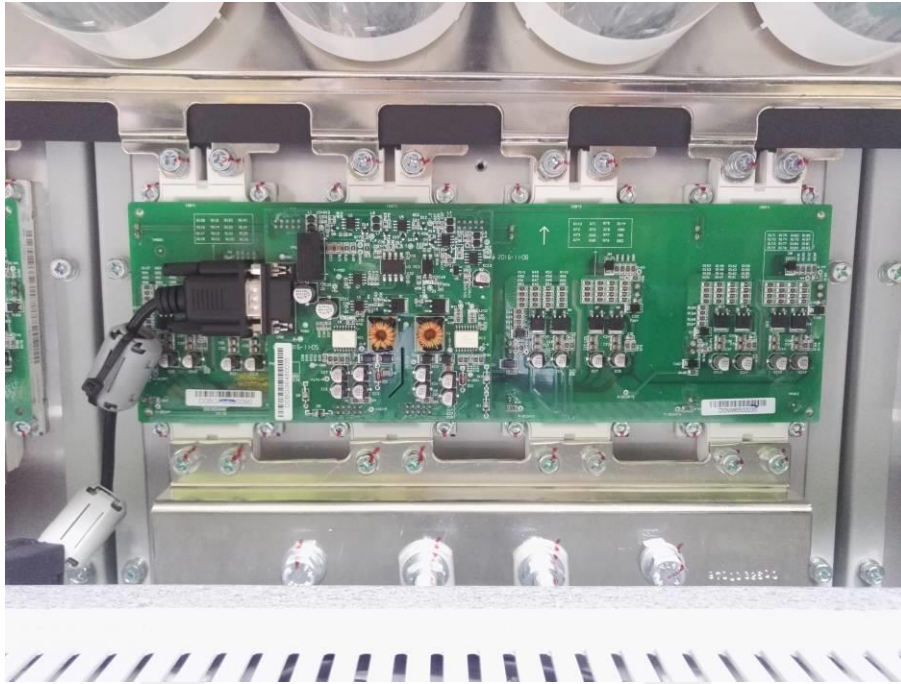
14.9.Photo of Voltage Dips and Interruption Immunity Test

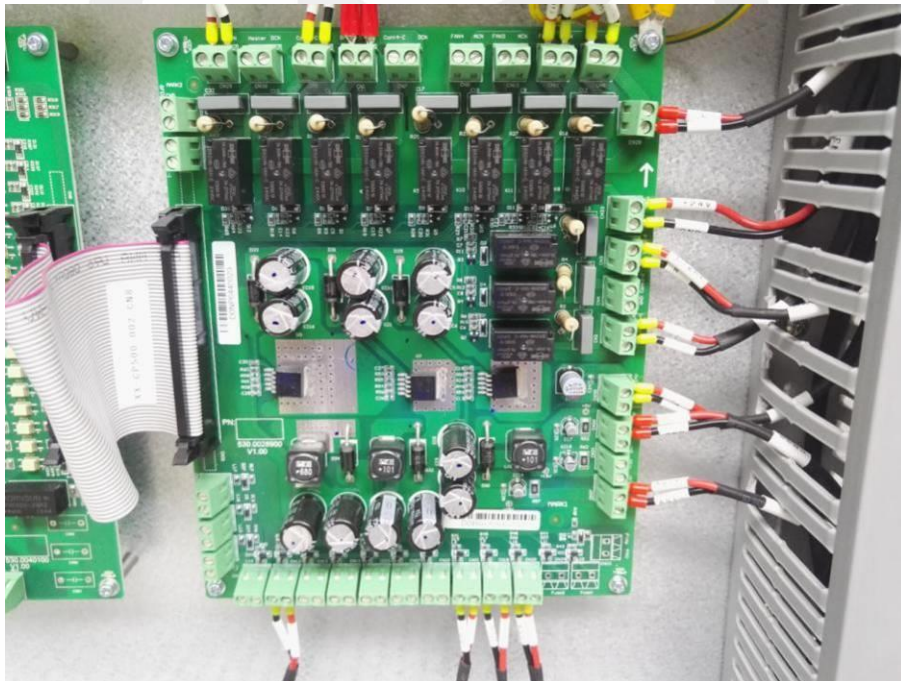
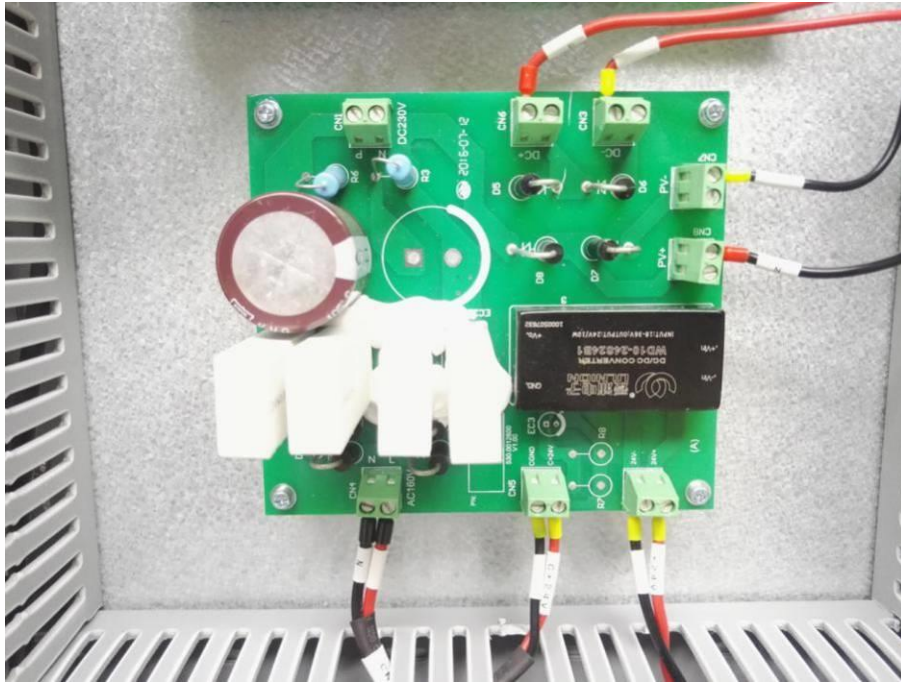


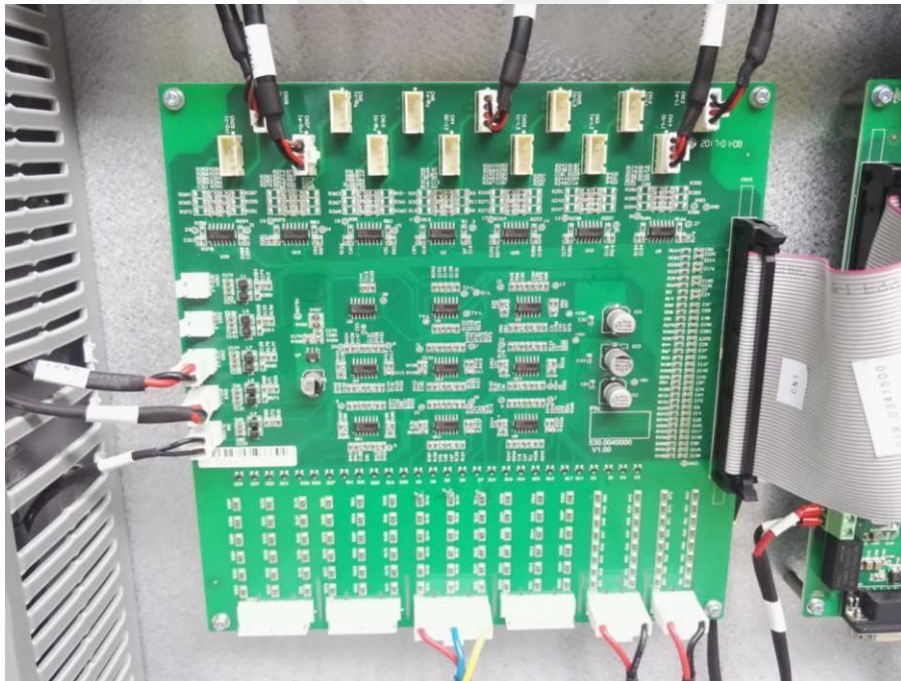
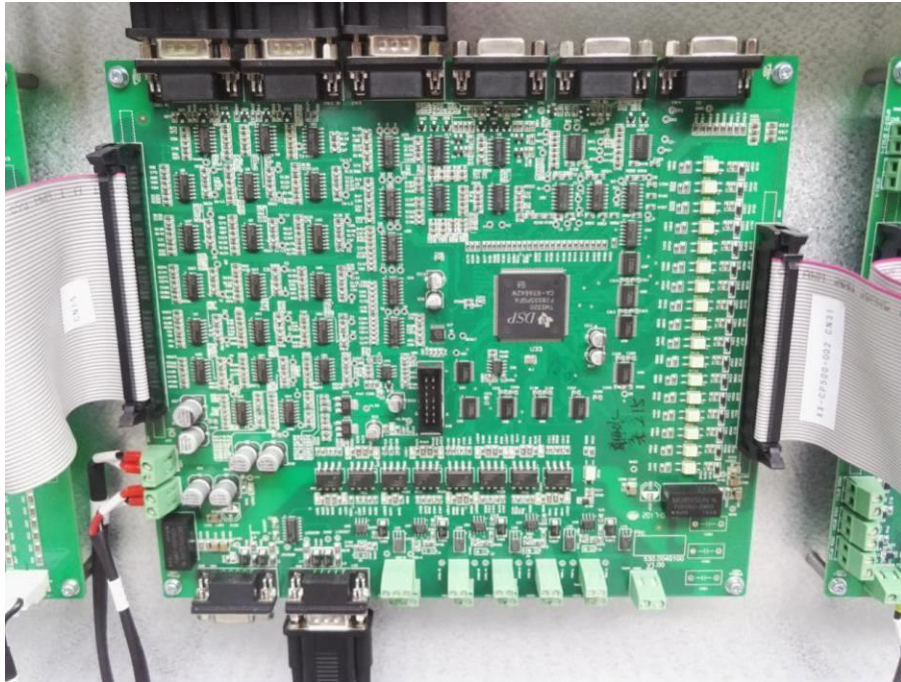
APPENDIX(Photos of EUT)



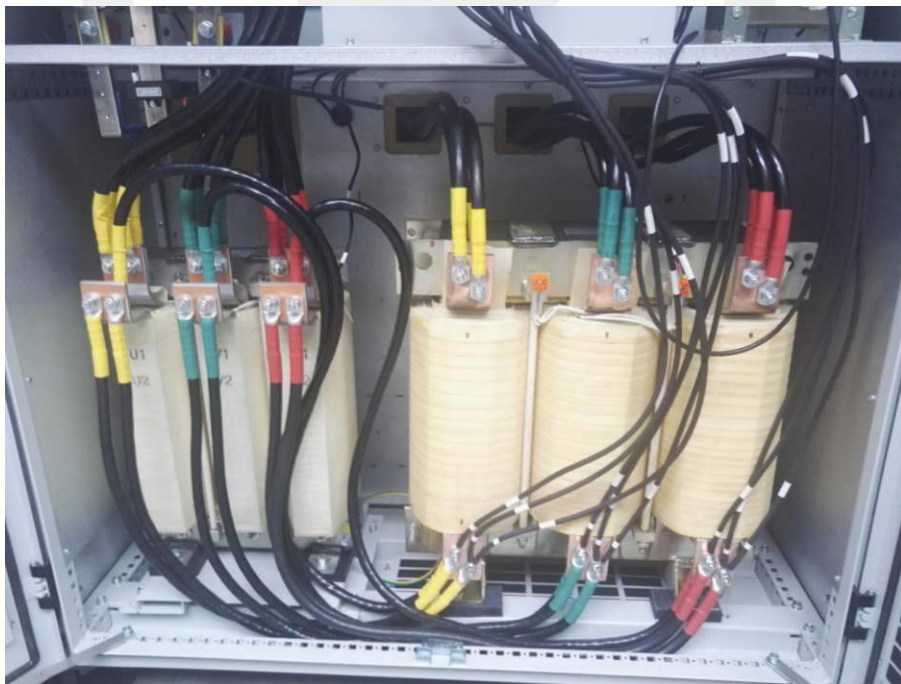
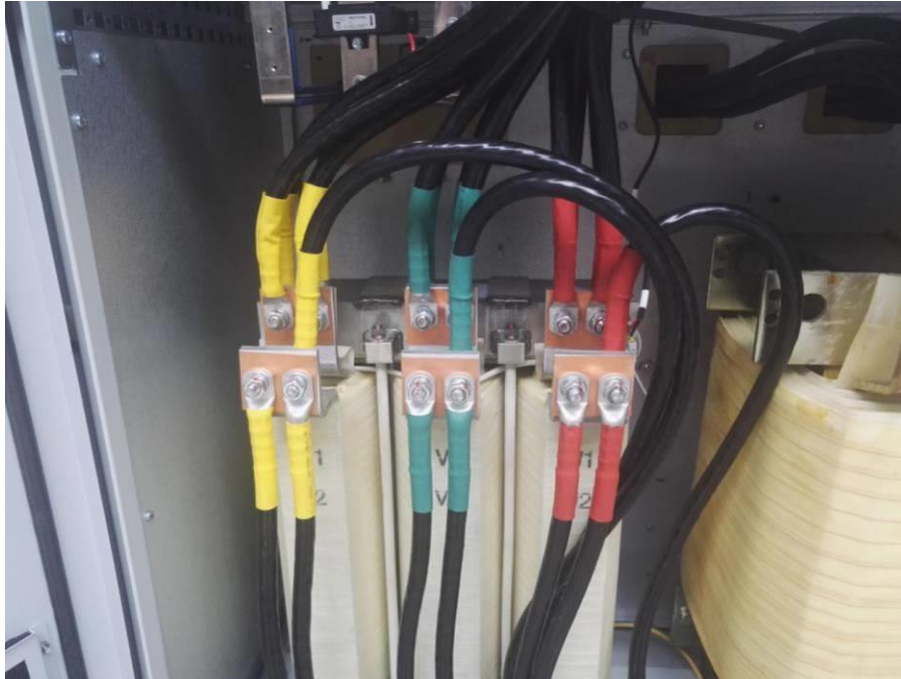


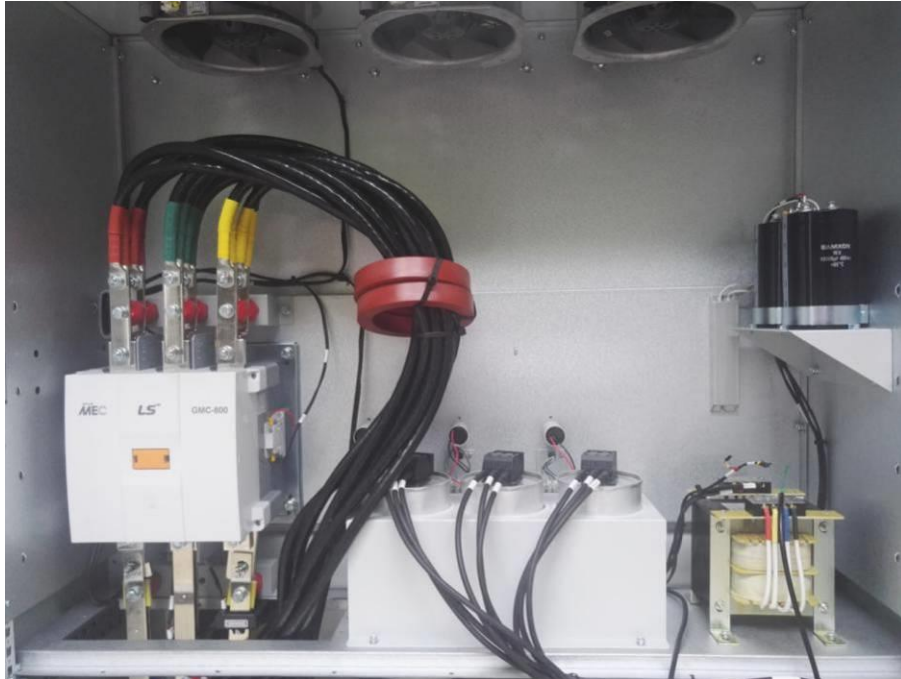












End of Report

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- 2 . This report shall not be copied partly without authorization.
- 3 . The test results or observations are applicable only to tested sample. Client shall be responsible for representativeness of the sample and authenticity of the material.
- 4 . The observations or tests with special mark fall outside the scope of accreditation, and are only used for purpose of commission, research, training, internal quality control etc.
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