



Test Report: LOP-500-24

500W 5"×3" Low Profile Open Frame Power Supply

■ DESIGN VERIFY TEST

Output Function Test

Input Function Test

Protection Function Test

Control Function Test

Component Stress Test

■ SAFETY & E.M.C. TEST

Safety Test

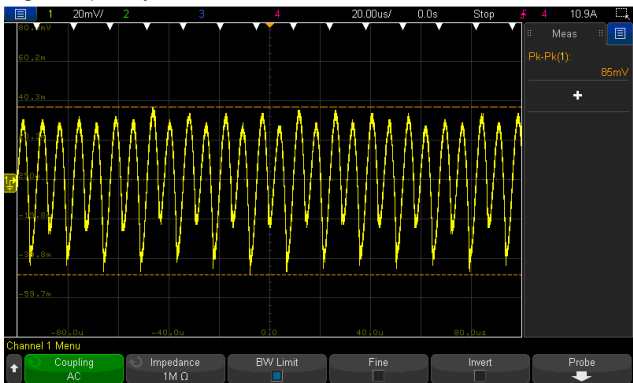
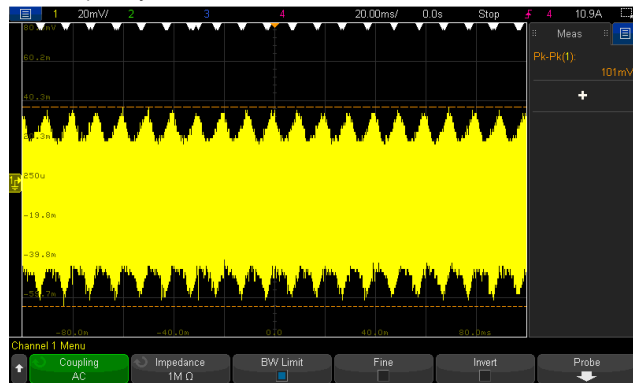
E.M.C. Test

■ RELIABILITY TEST

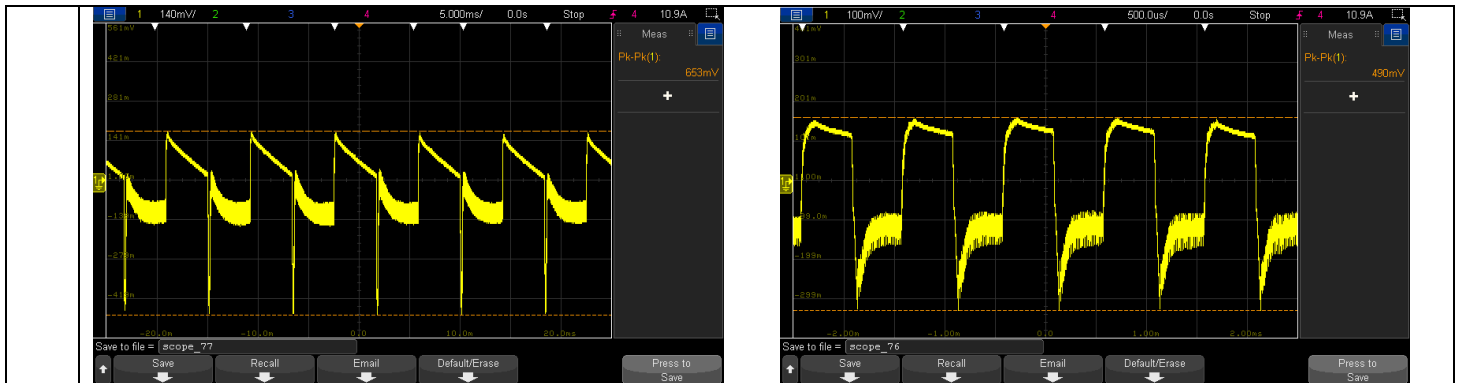
ENVIRONMENT TEST

■ DESIGN VERIFY TEST

OUTPUT FUNCTION TEST

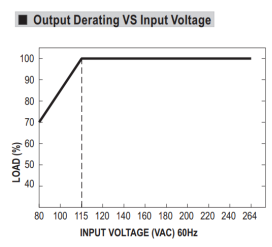
NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	OUTPUT VOLTAGE ADJUST RANGE	CH1: 22.8V~25.2V	I/P : 230 VAC I/P : 115 VAC O/P : MIN LOAD Ta : 25°C	22.10V~26.14V/230VAC 22.10V~26.14V/115VAC
2	OUTPUT VOLTAGE TOLERANCE	V1: -2% ~ +2%	I/P: 80VAC~ 264VAC O/P:FULL~ MIN. LOAD Ta:25°C	V1: -0.04% ~0.11%
3	LINE REGULATION	V1: -0.5% ~ +0.5%	I/P: 80VAC~ 264VAC O/P:FULL LOAD Ta:25°C	V1: 0% ~0%
4	LOAD REGULATION	V1: -1% ~ +1%	I/P: 230VAC O/P:FULL ~MIN LOAD Ta:25°C	V1: -0.04% ~0.11%
5	OVER/UNDERSHOOT TEST	<±5%	I/P: 230VAC O/P:FULL LOAD / NO LOAD Ta:25°C	0.8%
6	RIPPLE & NOISE (Max)	V1: 200mVp-p	I/P:230VAC O/P: FULL LOAD Ta:25°C	V1: 85mVp-p / high frequency 101mVp-p / low frequency
		high frequency :	low frequency :	
				
7	SET UP TIME(Max)	230VAC/1000ms 115VAC/1500ms	I/P : 230 VAC I/P : 115 VAC O/P : FULL LOAD Ta : 25°C	230VAC/ 676ms 115VAC/ 590ms
		INPUT=230VAC/50HZ @ FULL LOAD CH1: Output Voltage CH2: AC Input Voltage	INPUT=115VAC/60HZ @ FULL LOAD CH1: Output Voltage CH2: AC Input Voltage	

<p>8</p> <p>RISE TIME (Max)</p>	<p>230VAC/30ms 115VAC/30ms</p>	<p>I/P : 230 VAC I/P : 115 VAC O/P : FULL LOAD Ta : 25°C</p>	<p>230VAC/ 12.06ms 115VAC/ 12.16ms</p>
<p>INPUT=230VAC/50HZ @ FULL LOAD CH1: Output Voltage</p>		<p>INPUT=115VAC/60HZ @ FULL LOAD CH1: Output Voltage</p>	
<p>9</p> <p>HOLD UP TIME (Typ.)</p>	<p>16ms /500W load 30ms /300W load</p>	<p>I/P : 230 VAC O/P : TESTING Ta : 25°C</p>	<p>20.4ms /500W load 35.2ms /300W load</p>
<p>INPUT=230VAC/50HZ @ 500W load CH1: Output Voltage CH2: AC Input Voltage</p>		<p>INPUT=230VAC/50HZ @ 300W load CH1: Output Voltage CH2: AC Input Voltage</p>	
<p>10</p> <p>DYNAMIC LOAD</p>	<p>V1: 2400mVp-p</p>	<p>I/P: 230VAC O/P: (1) FULL/0% LOAD 50%DUTY / 120HZ (2) FULL/0% LOAD 50%DUTY / 1KHZ Ta:25°C</p>	<p>653mVp-p 490mVp-p</p>
<p>FULL /0% LOAD 50%DUTY / 120HZ</p>		<p>FULL /0% LOAD 50%DUTY / 1KHZ</p>	



11	TRANSIENT RECOVERY TIME	V1: 240mVp-p < 500us	I/P: 230VAC O/P:40% LOAD CHANGE 50%DUTY/120HZ 1.25A/us	304mVp-p 0us
12	PEAK LOAD	150% PEAK LOAD@3S	I/P: 264VAC I/P: 115VAC O/P: PEAK LOAD	TEST : OK

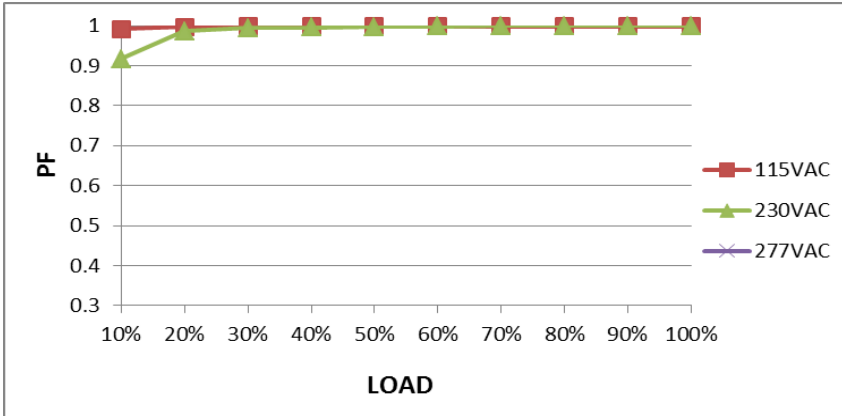
INPUT FUNCTION TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	INPUT VOLTAGE RANGE	80VAC~264VAC 113VDC~ 370VDC 	(1) I/P: TESTING O/P: FULL / 70% LOAD (2) I/P: DC TESTING (L: + N: -) O/P: FULL / 70% LOAD (3) I/P: DC TESTING (L: - N: +) O/P: FULL / 70% LOAD Ta:25°C I/P: HIGH-LINE+15%=300V O/P:FULL/MIN LOAD (PLEASE CHECK DERATING CURVE) ON: 30 Sec OFF: 30 Sec 10MIN (POWER ON/OFF NO DAMAGE)	(1) 77V~264V/ FULL LOAD 77V~264V/ 70% LOAD (2) 108.8Vdc~370Vdc/FULL LOAD 108.8Vdc~370Vdc/70% LOAD (3) 108.8Vdc~370Vdc/FULL LOAD 108.8Vdc~370Vdc/70% LOAD TEST : OK
2	INPUT FREQUENCY RANGE	47HZ ~63 HZ NO DAMAGE	I/P:80 VAC ~264 VAC O/P:FULL~MIN LOAD Ta:25°C	TEST : OK
3	INPUT CURRENT (Typ.)	230V/ 2.6A 115V/ 5.2A	I/P : 230 VAC I/P : 115 VAC O/P : FULL LOAD Ta : 25°C	I =2.32A/230VAC I =4.82A/ 115VAC
4	LEAKAGE CURRENT	Earth leakage current <500uA(rms) @ 264VAC touch current <70uA(rms) @ 264VAC	I/P : 264 VAC/60HZ O/P : Min LOAD Ta : 25°C	283 uA / 264 VAC@ For Earth 25.8uA / 264 VAC@For Touch
5	NO LOAD CONSUMPTION	<0.5W	I/P : 240VAC O/P : NO LOAD Ta : 25°C	0.273W



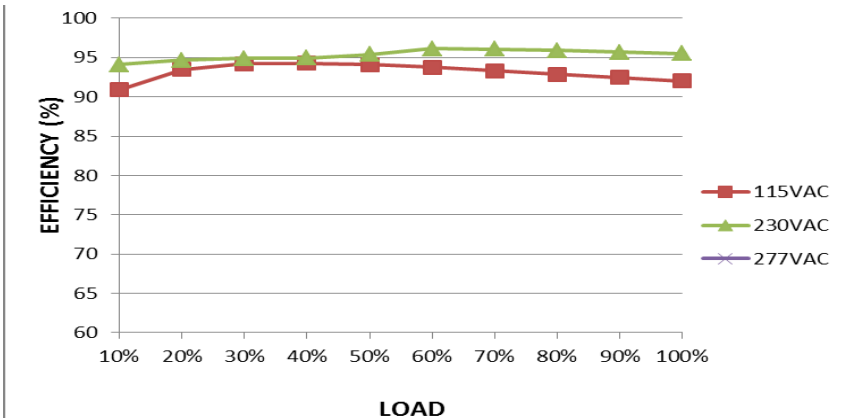
6	POWER FACTOR (Typ.)	0.94/ 230VAC 0.98/115VAC	I/P : 230 VAC I/P : 115 VAC O/P : FULL LOAD Ta : 25°C	PF=0.9951/230VAC PF=0.9955/115VAC
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P.F vs LOAD



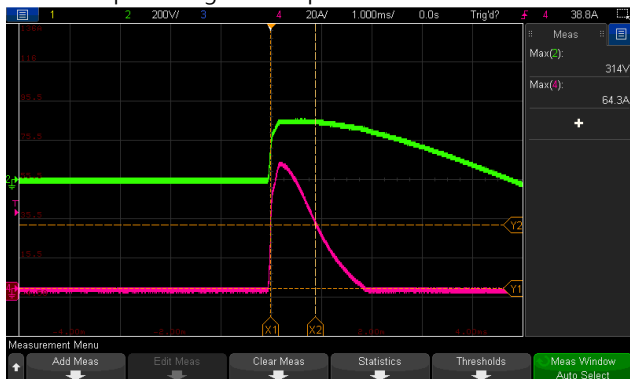
7	EFFICIENCY(Typ.)	94.5%	I/P:230 VAC O/P:FULL LOAD Ta:25°C	95.13%
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EFFICIENCY vs LOAD

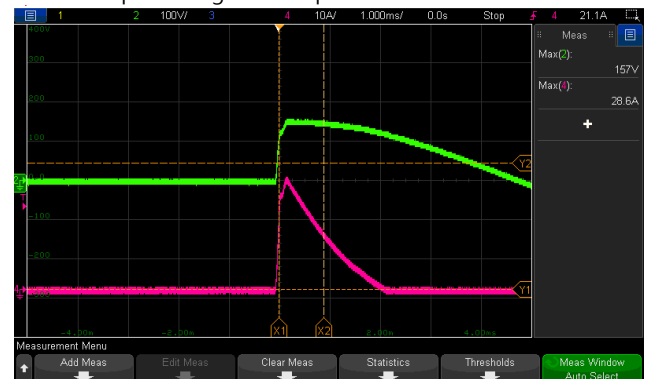


8	INRUSH CURRENT(Typ.)	230V/80A 115V/40A COLD START	I/P : 230 VAC I/P : 115 VAC O/P : FULL LOAD Ta : 25°C	I =64.3A/ 230VAC I =28.6A/ 115VAC T50= 900us/230V
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INPUT=230VAC/50HZ @ FULL LOAD
CH2: AC Input Voltage CH4: Input current



INPUT=115VAC/60HZ @ FULL LOAD
CH2: AC Input Voltage CH4: Input current



PROTECTION FUNCTION TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	OVER LOAD PROTECTION	105%~ 150% PROTECTION TYPE : Hiccup after 3 sec, recovers automatically after fault condition is removed	I/P: 264VAC I/P: 230VAC I/P: 115VAC O/P:TESTING Ta:25°C	134.4%/ 264VAC 134.4%/ 230VAC 134.4%/ 115VAC PROTECTION TYPE : Hiccup after 3 sec, recovers automatically after fault condition is removed
2	OVER VOLTAGE PROTECTION	26.4V~31.2V Protection type: Shut down o/p voltage, re-power on to recover	I/P: 264VAC I/P: 80VAC O/P:MIN LOAD Ta:25°C	28.2V/ 264VAC 28.2V/ 80VAC Protection type: Shut down o/p voltage, re-power on to recover
3	OVER TEMPERATURE PROTECTION	Protection type: Shut down o/p voltage, recovers automatically after temperature goes down or re-power on to recover	I/P: 264VAC I/P: 80VAC O/P:FULL LOAD	O.T.P. Active Protection type : Shut down o/p voltage, recovers automatically after temperature goes down or re-power on to recover
4	SHORT PROTECTION	SHORT EVERY OUTPUT 1 HOUR NO DAMAGE Protection type: Hiccup mode, recovers automatically after fault condition is removed	I/P: 264VAC I/P: 80VAC O/P: FULL LOAD Ta:25°C	NO DAMAGE OK PROTECTION TYPE : Hiccup mode, recovers automatically after fault condition is removed

CONTROL FUNCTION TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	EXTERNAL FAN SUPPLY	12V@0.5A for driving a fan ; tolerance -15% ~ +15% at main output 20% rated current (23CFM)	I/P: 230 VAC O/P: TESTING Ta:25°C	TEST : <u>-0.0832% ~0%</u>
2	REMOTE SENSE	S+ / S- The remote sensing compensates voltage drop on the load wiring up to 0.5V	I/P: 230 VAC O/P:FULL LOAD Ta:25°C	TEST : <u>OK</u>

COMPONENT STRESS TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	PWM Transistor (D to S) or (C to E) Peak Voltage	Q2/ Q3 Rated: 22A/ 600V	AC ON/OFF I/P: High-Line +3V =267V VDS: O/P: (1)Full Load (2)Output Short (3) Dynamic Load Full Load/ Min. Load 90%Duty/1KHz (4) Dynamic Load Full Load/ Min. Load 90%Duty/3KHz (5) Dynamic Load Full Load/	Q2: Q3: VDS: VDS: (1) 432V (1) 442V (2) 448V (2) 451V (3) 436V (3) 426V (4) 432V (4) 426V (5) 428V (5) 426V (6) 428V (6) 426V (7) 468V (7) 459V (8) 456V (8) 438V



			<p>Min. Load 90%Duty/5KHz (6) Dynamic Load 100% Load/ Min. Load 50%Duty/120Hz (7)0%→400% Load (8) Peak Load Ta:25°C</p>																															
2	P.F.C Transistor (D to S) or (C to E) Peak Voltage	Q1 Rated: 34A/600V	<p>AC ON/OFF I/P: High-Line +3V =267V VDS: O/P: (1)Full Load (2)Output Short (3) Dynamic Load Full Load/ Min. Load 90%Duty/1KHz (4) Dynamic Load Full Load/ Min. Load 90%Duty/3KHz (5) Dynamic Load Full Load/ Min. Load 90%Duty/5KHz (6) Dynamic Load 100% Load/ Min. Load 50%Duty/120Hz (7)0%→400% Load (8) Peak Load Ta:25°C</p>	<p>VDS: (1) 479V (2) 467V (3) 479V (4) 487V (5) 483V (6) 463V (7) 499V (8) 499V</p>																														
3	P.F.C DIODE	D2 Rated: 6A/ 650V	<p>I/P: High-Line +3V =267 V AC ON/OFF O/P: (1)Full Load (2)Output Short (3) Dynamic Load Full Load/ Min. Load 90%Duty/5KHz (4) Dynamic Load 100% Load/ Min. Load 50%Duty/120Hz (5) Peak Load Ta:25°C</p>	<p>(1) 426V (2) 418V (3) 426V (4) 422V (5) 438V</p>																														
4	Diode Peak Voltage	Q101/Q103 Rated: 120A/ 80V	<p>AC ON/OFF I/P: High-Line +3V =267 V <u>VO=Vomax</u> O/P: (1)Full Load (2)Output Short (3) Dynamic Load Full Load/ Min. Load 90%Duty/1KHz (4) Dynamic Load Full Load/ Min. Load 90%Duty/3KHz (5) Dynamic Load Full Load/ Min. Load 90%Duty/5KHz (6) Dynamic Load 100% Load/ Min. Load 50%Duty/120Hz (7)0%→400% Load. (8).NO LOAD (9) burst Mode (10) Peak Load</p>	<table border="0"> <tr> <td>Q101:</td> <td>Q103:</td> </tr> <tr> <td><u>VO=Vomax</u></td> <td><u>VO=Vomax</u></td> </tr> <tr> <td>VDS:</td> <td>VDS:</td> </tr> <tr> <td>(1) 64.6V</td> <td>(1) 63.4V</td> </tr> <tr> <td>(2) 64.4V</td> <td>(2) 62.8V</td> </tr> <tr> <td>(3) 65.2V</td> <td>(3) 62.8V</td> </tr> <tr> <td>(4) 64.0V</td> <td>(4) 62.8V</td> </tr> <tr> <td>(5) 64.0V</td> <td>(5) 63.4V</td> </tr> <tr> <td>(6) 65.8V</td> <td>(6) 64.6V</td> </tr> <tr> <td>(7) 65.8V</td> <td>(7) 64.6V</td> </tr> <tr> <td>(8) 61.6V</td> <td>(8) 57.4V</td> </tr> <tr> <td>(9) 60.4V</td> <td>(9) 59.2V</td> </tr> <tr> <td>(10) 65.8V</td> <td>(10) 64.6V</td> </tr> <tr> <td><u>VO=Vnormal</u></td> <td><u>VO=Vnormal</u></td> </tr> <tr> <td>(1) 62.2V</td> <td>(1) 61.0V</td> </tr> </table>	Q101:	Q103:	<u>VO=Vomax</u>	<u>VO=Vomax</u>	VDS:	VDS:	(1) 64.6V	(1) 63.4V	(2) 64.4V	(2) 62.8V	(3) 65.2V	(3) 62.8V	(4) 64.0V	(4) 62.8V	(5) 64.0V	(5) 63.4V	(6) 65.8V	(6) 64.6V	(7) 65.8V	(7) 64.6V	(8) 61.6V	(8) 57.4V	(9) 60.4V	(9) 59.2V	(10) 65.8V	(10) 64.6V	<u>VO=Vnormal</u>	<u>VO=Vnormal</u>	(1) 62.2V	(1) 61.0V
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			VO=Vnormal O/P: (1) Full Load Ta:25°C	
5	Input Capacitor Voltage	C5 Rated: 270μ / 420V Surge Voltage : 462V	I/P: High-Line +3V =267V O/P: (1)Full Load input on/off (2) Min load input on /Off (3) Full Load /Min load Change (4) Full load continue Ta:25°C	(1) 410V (2) 406V (3) 416V (4) 414V
6	Control IC Voltage Test	PFC /PWM IC U1: Rated : 10.4V~28.7 V O/P IC U101 Rated : 4.75V~38V IC U103 Rated : 2V~ 7V	AC ON/OFF I/P: High-Line +3V =267 V O/P: (1) FULL LOAD (2) Output Short (3) O.L.P (4) O.V.P. (5) NO LOAD VRmin (LOW LINE) Ta:25°C	U1 U103 (1) 18.9V (1) 5.22V (2) 18.9V (2) 5.22V (3) 18.9V (3) 5.22V (4) 18.9V (4) 5.14V (5) 18.7V (5) 5.18V U101 (1) 10.54V (2) 10.54V (3) 10.78V (4) 11.59V (5) 9.10V

■ SAFETY& E.M.C. TEST

SAFETY TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	WITHSTAND VOLTAGE	I/P-O/P: 4KVAC/min I/P-FG :2KVAC/min O/P-FG:1.5KVAC/min	I/P-O/P: 4.4 KVAC/min I/P-FG: 2.4 KVAC/min O/P-FG:1.8 KVAC/min Ta:25°C	I/P-O/P: 1.788mA I/P-FG: 2.81mA O/P-FG:0.799mA NO DAMAGE
2	ISOLATION RESISTANCE	I/P-O/P:500VDC>100MΩ I/P-FG: 500VDC>100MΩ O/P-FG:500VDC>100MΩ	I/P-O/P: 600 VDC I/P-FG: 600 VDC O/P-FG: 600 VDC Ta:25°C	I/P-O/P:50GΩ I/P-FG:50GΩ O/P-FG:50GΩ NO DAMAGE

E.M.C TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	HARMONIC	BS EN/EN61000-3-2 CLASS A	I/P:230VAC/50HZ O/P:FULL LOAD Ta:25°C	PASS
2	CONDUCTION	BS EN/EN55032(CISPR32) Class I : Class B , Class II: Class A BS EN/EN55014(CISPR32)	I/P : 230 VAC (50HZ) O/P : FULL/50% LOAD Ta : 25°C	PASS Test by certified Lab

		Class I : Class B		
3	RADIATION	BS EN/EN55032(CISPR32) Class I : Class B , Class II: Class A BS EN/EN55014(CISPR32) Class I : Class B	I/P : 230 VAC (50HZ) O/P : FULL LOAD Ta : 25°C	PASS Test by certified Lab
4	E.S.D	BS EN/EN61000-4-2 ■ MEDICAL AIR : 15KV / Contact : 8KV	I/P : 230 VAC/50HZ O/P : FULL LOAD Ta : 25°C	■ CRITERIA A
5	E.F.T	BS EN/EN61000-4-4 ■ INDUSTRY INPUT : 2KV	I/P : 230 VAC/50HZ O/P : FULL LOAD Ta : 25°C	■ CRITERIA A
6	SURGE	IEC61000-4-5 ■ INDUSTRY L-N : 2KV L,N-PE : 4KV	I/P : 230 VAC/50HZ O/P : FULL LOAD Ta : 25°C	■ CRITERIA A
7	Test by certified Lab & Test Report Prepare Any contradictions of the test results, please refer to the latest EMC test report			

■ RELIABILITY TEST

ENVIRONMENT TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT																																																				
1	TEMPERATURE RISE TEST	MODEL : LOP-500-12 1. ROOM AMBIENT BURN-IN : 2 HRS I/P : 230VAC O/P : FULL LOAD Ta= 25 °C 2. HIGH AMBIENT BURN-IN : 2 HRS I/P : 230VAC O/P : FULL LOAD Ta= 50 °C																																																						
				<table border="1"> <thead> <tr> <th>NO</th> <th>Position</th> <th>ROOM AMBIENT Ta= 25 °C</th> <th>HIGH AMBIENT Ta= 50 °C</th> </tr> </thead> <tbody> <tr><td>1</td><td>ZNR1</td><td>31.1°C</td><td>58.6°C</td></tr> <tr><td>2</td><td>LF2</td><td>36.1°C</td><td>63.1°C</td></tr> <tr><td>3</td><td>BD1</td><td>42.1°C</td><td>68.3°C</td></tr> <tr><td>4</td><td>LF1</td><td>27.7°C</td><td>54.2°C</td></tr> <tr><td>5</td><td>C2</td><td>29.3°C</td><td>56.0°C</td></tr> <tr><td>6</td><td>RTH1</td><td>29.3°C</td><td>55.9°C</td></tr> <tr><td>7</td><td>RY1</td><td>37.9°C</td><td>64.2°C</td></tr> <tr><td>8</td><td>RTH3</td><td>34.3°C</td><td>61.4°C</td></tr> <tr><td>9</td><td>C8</td><td>36.8°C</td><td>63.2°C</td></tr> <tr><td>10</td><td>L1</td><td>47.2°C</td><td>73.4°C</td></tr> <tr><td>11</td><td>C60</td><td>25.7°C</td><td>52.0°C</td></tr> <tr><td>12</td><td>T1coil</td><td>61.3°C</td><td>90.6°C</td></tr> </tbody> </table>	NO	Position	ROOM AMBIENT Ta= 25 °C	HIGH AMBIENT Ta= 50 °C	1	ZNR1	31.1°C	58.6°C	2	LF2	36.1°C	63.1°C	3	BD1	42.1°C	68.3°C	4	LF1	27.7°C	54.2°C	5	C2	29.3°C	56.0°C	6	RTH1	29.3°C	55.9°C	7	RY1	37.9°C	64.2°C	8	RTH3	34.3°C	61.4°C	9	C8	36.8°C	63.2°C	10	L1	47.2°C	73.4°C	11	C60	25.7°C	52.0°C	12	T1coil	61.3°C	90.6°C
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6	RTH1	29.3°C	55.9°C																																																					
7	RY1	37.9°C	64.2°C																																																					
8	RTH3	34.3°C	61.4°C																																																					
9	C8	36.8°C	63.2°C																																																					
10	L1	47.2°C	73.4°C																																																					
11	C60	25.7°C	52.0°C																																																					
12	T1coil	61.3°C	90.6°C																																																					

		NO	Position	ROOM AMBIENT Ta= 25 °C	HIGH AMBIENT Ta= 50 °C
		13	T1core	39.0°C	66.1°C
		14	D2	44.6°C	71.6°C
		15	Q1	43.7°C	70.7°C
		16	Q3	43.3°C	70.8°C
		17	Q2	43.1°C	70.4°C
		18	U1	40.7°C	67.0°C
		19	C5	38.6°C	64.9°C
		20	C55	40.6°C	67.9°C
		21	D103	42.6°C	70.2°C
		22	C120	45.3°C	73.6°C
		23	C104	52.6°C	80.6°C
		24	Q103	57.0°C	86.6°C
		25	Q102	55.8°C	85.6°C
		26	C103	44.7°C	72.9°C
		27	C102	48.1°C	76.4°C
		28	L100	70.7°C	99.5°C
		29	R3	35.2°C	62.0°C
		30	D1	32.0°C	58.5°C
		31	U103	34.7°C	61.5°C
		32	U101	37.1°C	63.9°C
		33	RG100	42.1°C	69.1°C
		34	U3	32.4°C	58.8°C
		35	D105	37.8°C	63.5°C
		36	D20	28.7°C	55.4°C
		37	R100	51.1°C	78.0°C
		38	R122	43.9°C	70.7°C
2	OVER LOAD BURN-IN TEST	NO DAMAGE 1 HOUR (MIN)		I/P : 230 VAC O/P : 124.7%LOAD Ta : 25°C	TEST : OK
3	LOW TEMPERATURE TURN ON TEST	TURN ON AFTER 2 HOUR		I/P : 264VAC/115VAC O/P : 100%LOAD Ta= -45°C	TEST : OK
4	HIGH HUMIDITY HIGH TEMPERATURE HIGH VOLTAGE TURN ON TEST	AFTER 12 HOURS IN CHAMBER ON CONTROL 50 °C/95 %R.H NO DAMAGE		I/P : 272 VAC O/P : FULL LOAD Ta= 50 °C HUMIDITY= 95 %R.H	TEST : OK
5	TEMPERATURE COEFFICIENT	± 0.03%/°C(0~50°C)		I/P : 230 VAC O/P : FULL LOAD	±0.006%/°C(0~50°C)
6	STORAGE TEMPERATURE TEST	-40~85°C		1. Thermal shock Temperature : -45°C~ +90°C 2. Temperature change rate : 25°C / MIN 3. Dwell time low and high temperature : 30 MIN/EACH 4. Total test cycle : 10 CYCLE 5. Input/output condition : STATIC	

7	THERMAL SHOCK TEST	-40~50°C	1. Thermal shock Temperature : -45°C~ +55°C 2. Temperature change rate : 25°C / MIN 3. Dwell time low and high temperature : 30 MIN/EACH 4. Total test cycle : 16 CYCLE 5. Input/output condition : 15cycle:230V/ FULL LOAD AC ON 3sec/AC OFF 1sec TEST 1cycle:230V/ FULL LOAD Burn In Test
8	VIBRATION TEST	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes	1 Carton & 1 Set (1) Waveform : Sine Wave (2) Frequency : 10~500Hz (3) Sweep Time : 12min/sweep cycle (4) Acceleration : 3G (5) Test Time : 180min in each axis (X.Y.Z) (6) Ta : 25°C
9	CAPACITOR LIFE CYCLE	SUPPOSE C102 IS THE MOST CRITICAL COMPONENT (1) I/P : 230VAC O/P : FULL LOAD Ta= 25 °C LIFE TIME (2) I/P : 230VAC O/P : FULL LOAD Ta= 50 °C LIFE TIME (3) I/P : 230VAC O/P : 75% LOAD Ta= 50 °C LIFE TIME (4) I/P : 230VAC O/P : 50% LOAD Ta= 50 °C LIFE TIME	(1) 461096.6HRS (2) 64845.1HRS (3) 182371.4HRS (4) 345280.8HRS
10	MTBF	Conducted by Parts Stress Analysis Prediction 1695.7K hrs min. Telcordia SR-332 (Bellcore) ; 230.7K hrs min. MIL-HDBK-217F (25°C)	
11	Ongoing Reliability Test	I/P : 230VAC O/P : FULL LOAD TA=50°C Demonstration Mean Time Between Failure : 30,000 hours	

TEST RESULT	TESTER	REVIEW	APPROVAL
PASS	Yuwei	Liutt	Wangdz

2020.10.1 TAG-QA-009