



Test Report: NSP-500-5

500W AC/DC High Reliable Multi-Industries Enclosed
Type 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

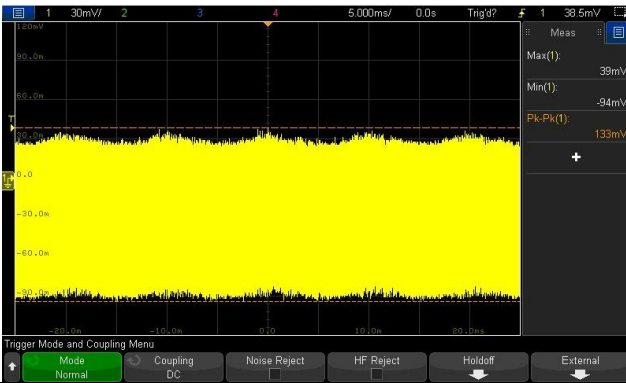
E.M.C. Test

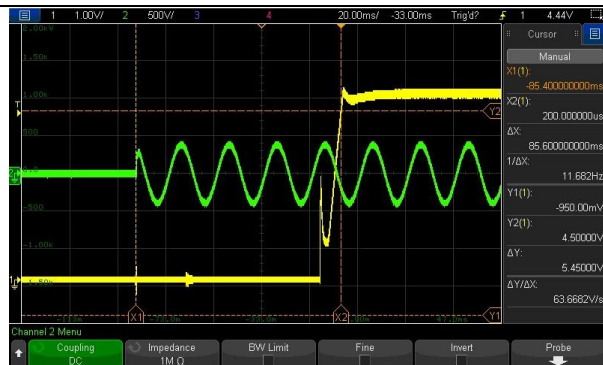
■ RELIABILITY TEST

ENVIRONMENT TEST

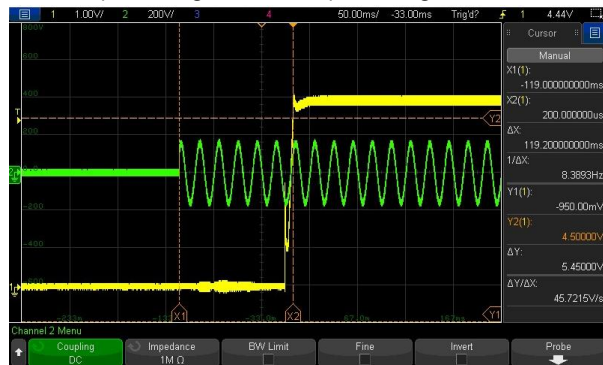
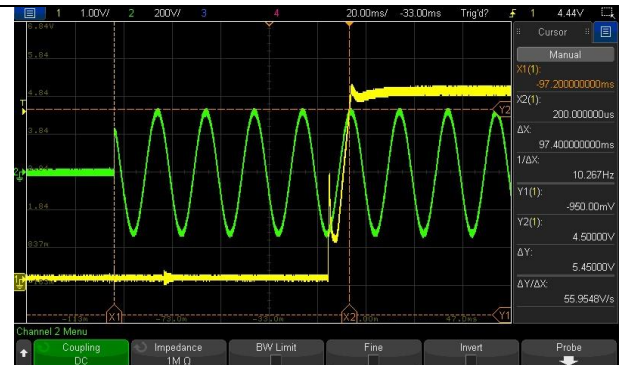
DESIGN VERIFY TEST

OUTPUT FUNCTION TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	OUTPUT VOLTAGE ADJUST RANGE	CH1: 4.7V~5.5V	I/P : 277 VAC I/P : 230 VAC I/P : 115 VAC O/P : MIN LOAD Ta : 25°C	4.44V~5.73V/277VAC 4.44V~5.73V/230VAC 4.44V~5.731V/115VAC
2	OUTPUT VOLTAGE TOLERANCE	V1: -2% ~ +2%	I/P: 85VAC~305VAC O/P:FULL~MIN. LOAD Ta:25°C	V1: -0.234% ~0.161 %
3	LINE REGULATION	V1: -0.5% ~ +0.5%	I/P: 85VAC~ 305VAC O/P:FULL LOAD Ta:25°C	V1: 0% ~ 0.1%
4	LOAD REGULATION	V1: -1% ~ +1%	I/P: 230VAC O/P:FULL ~MIN LOAD Ta:25°C	V1: -0.234% ~0.161 %
5	OVER/UNDERSHOOT TEST	<± 10%	I/P: 230VAC O/P:FULL LOAD / NO LOAD Ta:25°C	4.4%
6	RIPPLE & NOISE (Max)	V1: 200mVp-p	I/P:230VAC O/P:FULL LOAD Ta:25°C	130mVp-p / high frequency 133mVp-p / low frequency
high frequency :  low frequency : 				
7	SET UP TIME(Max)	277VAC/900ms 230VAC/1000ms 115VAC/1500ms	I/P : 277 VAC I/P : 230 VAC I/P : 115 VAC O/P : FULL LOAD Ta : 25°C	277VAC/85.6ms 230VAC/97.4ms 115VAC/119.2ms
INPUT=277VAC/50HZ @ FULL LOAD CH1: Output Voltage CH2: AC Input Voltage			INPUT=230VAC/50HZ @ FULL LOAD CH1: Output Voltage CH2: AC Input Voltage	



INPUT=115VAC/60HZ @ FULL LOAD
CH1: Output Voltage CH2: AC Input Voltage



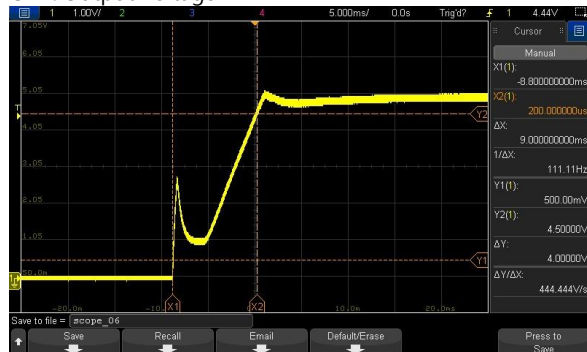
8 RISE TIME (Max)

277VAC/80ms
230VAC/80ms
115VAC/80ms

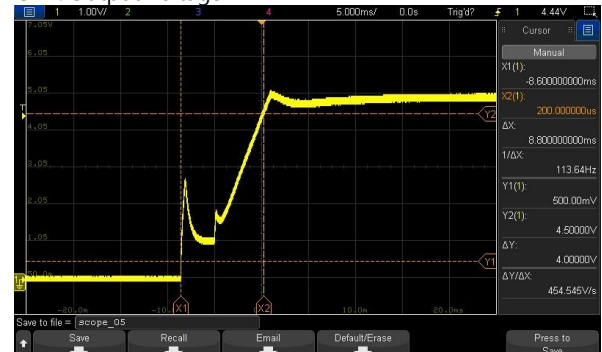
I/P : 277 VAC
I/P : 230 VAC
I/P : 115 VAC
O/P : FULL LOAD
Ta : 25°C

277VAC/9.0ms
230VAC/8.8ms
115VAC/8.7ms

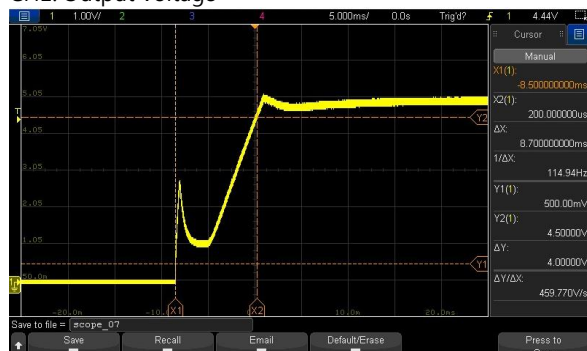
INPUT=277VAC/50HZ @ FULL LOAD
CH1: Output Voltage

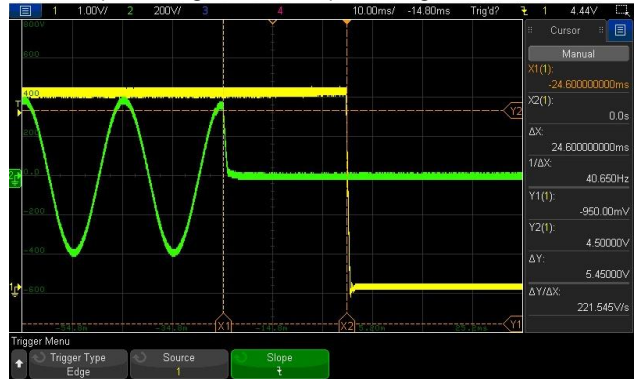
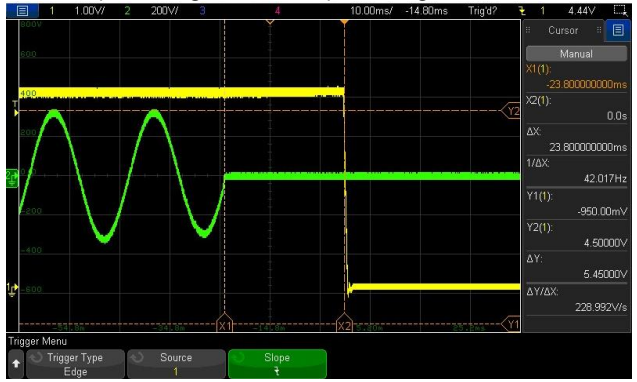
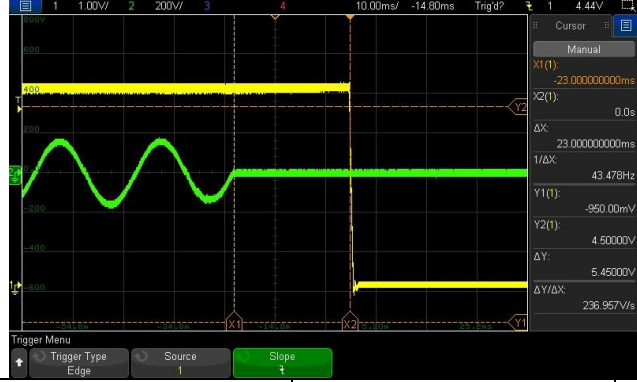
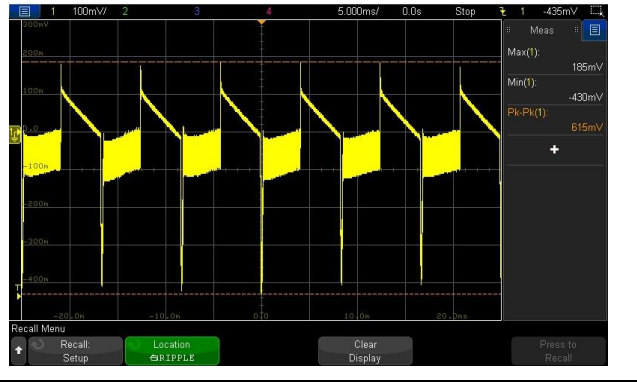


INPUT=230VAC/50HZ @ FULL LOAD
CH1: Output Voltage



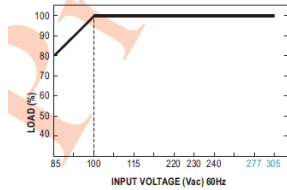
INPUT=115VAC/60HZ @ FULL LOAD
CH1: Output Voltage

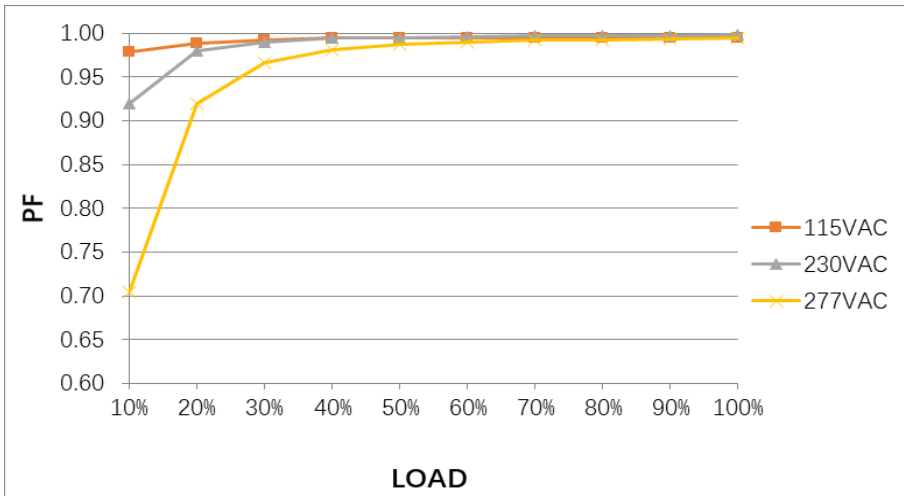
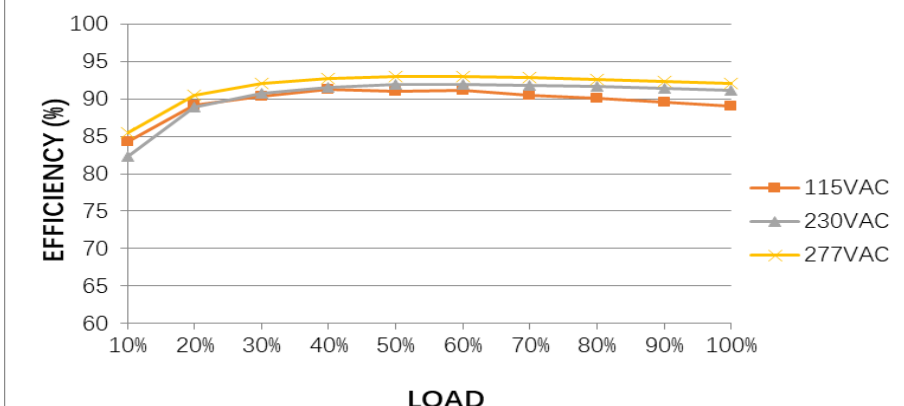
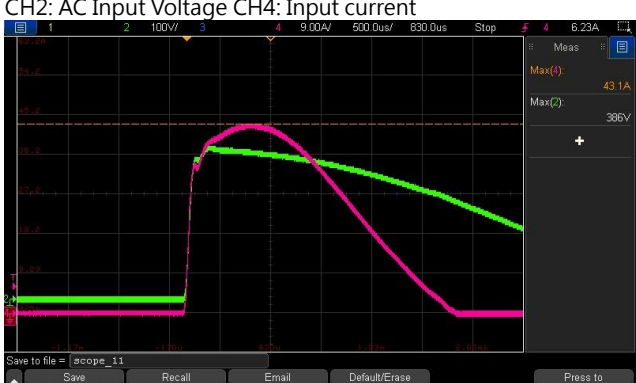
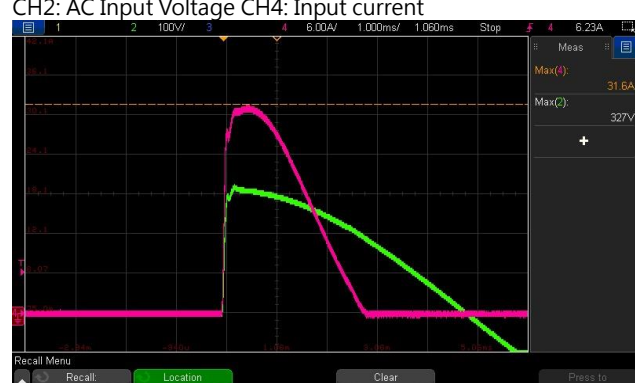


9	HOLD UP TIME (Typ.)	277VAC/16ms 230VAC/16ms 115VAC/16ms	I/P : 277 VAC I/P : 230 VAC I/P : 115 VAC O/P : FULL LOAD Ta : 25°C	277VAC/24.6ms 230VAC/23.8ms 115VAC/23.0ms
	INPUT=277VAC/50HZ @ FULL LOAD CH1: Output Voltage CH2: AC Input Voltage  INPUT=230VAC/50HZ @ FULL LOAD CH1: Output Voltage CH2: AC Input Voltage  INPUT=115VAC/60HZ @ FULL LOAD CH1: Output Voltage CH2: AC Input Voltage 			
10	DYNAMIC LOAD	V1: 1000mVp-p	I/P: 230VAC O/P: (1) FULL/ MIN LOAD 50%DUTY / 120HZ (2) FULL/ MIN LOAD 50%DUTY / 1KHZ Ta:25°C	615mVp-p 462mVp-p
	FULL / MIN LOAD 50%DUTY / 120HZ  FULL / MIN LOAD 50%DUTY / 1KHZ 			

11	TRANSIENT RECOVERY TIME	V1: 1000mVp-p <500us	I/P: 230VAC O/P:40% LOAD CHANGE 50%DUTY/120HZ 1.25A/us	285mVp-p
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INPUT FUNCTION TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT												
1	INPUT VOLTAGE RANGE	85VAC~305VAC 120VDC~ 431VDC ■ Output Derating vs. Input Voltage 	(1) I/P: TESTING O/P: FULL / 80% LOAD (2) I/P: DC TESTING (L: + N: -) O/P: FULL / 80% LOAD (3) I/P: DC TESTING (L: - N: +) O/P: FULL / 80% LOAD Ta:25°C I/P: HIGH-LINE+10V=315V O/P:FULL/MIN LOAD (PLEASE CHECK DERATING CURVE) ON: 30 Sec OFF: 30 Sec 10MIN (POWER ON/OFF NO DAMAGE)	(1) 73.6V~305V/ FULL LOAD 73.3V~305V/ 80% LOAD (2) 104.8Vdc~431Vdc/FULL LOAD 104.4Vdc~431Vdc/80% LOAD (3) 104.8Vdc~431Vdc/FULL LOAD 104.6Vdc~431Vdc/80% LOAD TEST: OK												
2	INPUT FREQUENCY RANGE	47HZ ~63 HZ NO DAMAGE	I/P: 85VAC~ 305VAC O/P:FULL~MIN LOAD Ta:25°C	TEST: OK												
3	INPUT CURRENT (Typ.)	277V/ 2.2A 230V/ 2.6A 115V/ 5.3A	I/P : 277 VAC I/P : 230 VAC I/P : 115 VAC O/P : FULL LOAD Ta : 25°C	I =1.811A/ 277VAC I =2.188A/ 230VAC I =4.581A/ 115VAC												
4	LEAKAGE CURRENT	Earth leakage current < 350uA(rms)@277Vac Touch current < 100uA(rms)@277Vac	I/P : 277 VAC/60HZ O/P : Min LOAD Ta : 25°C	260.2 uA for Earth 26.3 uA for Touch												
5	NO LOAD CONSUMPTION	Remote Power OFF: 0.75W/115Vac 0.75W/230Vac 0.75W/277Vac Remote Power ON: 3.3W/115Vac 3W/230Vac 3W/277Vac	I/P : 115VAC I/P : 230VAC I/P : 277VAC O/P : NO LOAD Ta : 25°C	TEST: <table><tr><td></td><td>Remote Power OFF</td><td>Remote Power ON</td></tr><tr><td>115VAC</td><td>0.466W</td><td>2.817W</td></tr><tr><td>230VAC</td><td>0.531W</td><td>2.301W</td></tr><tr><td>277VAC</td><td>0.561W</td><td>2.230W</td></tr></table>		Remote Power OFF	Remote Power ON	115VAC	0.466W	2.817W	230VAC	0.531W	2.301W	277VAC	0.561W	2.230W
	Remote Power OFF	Remote Power ON														
115VAC	0.466W	2.817W														
230VAC	0.531W	2.301W														
277VAC	0.561W	2.230W														
6	POWER FACTOR (Typ.)	0.9/ 277VAC 0.93/ 230VAC 0.98/115VAC	I/P : 277 VAC I/P : 230 VAC I/P : 115 VAC O/P : FULL LOAD Ta : 25°C	PF=0.9948/277VAC PF=0.9974/230VAC PF=0.9948/115VAC												

P.F vs LOAD				
				
7	EFFICIENCY(Typ.)	90%	I/P:230 VAC O/P:FULL LOAD Ta:25°C	90.44 %
EFFICIENCY vs LOAD				
				
8	INRUSH CURRENT(Typ.)	277V/50A 230V/40A 115V/20A COLD START	I/P : 277 VAC I/P : 230 VAC I/P : 115 VAC O/P : FULL LOAD Ta : 25°C	I =43.1A/ 277VAC I =31.6A/ 230VAC I =14.3A/ 115VAC T50= 1760us/230V
INPUT=277VAC/50HZ @ FULL LOAD CH2: AC Input Voltage CH4: Input current				
				
INPUT=230VAC/50HZ @ FULL LOAD CH2: AC Input Voltage CH4: Input current				
				

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



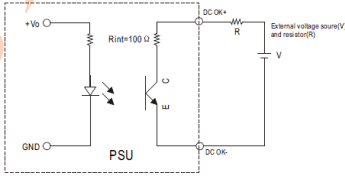
T50@230VAC :



PROTECTION FUNCTION TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	OVER LOAD PROTECTION	Protection type: 105%~150% rated output power, Constant current limiting for more than 5 seconds and then recovers automatically after fault condition is removed.	I/P: 305VAC I/P: 230VAC I/P: 100VAC O/P: TESTING Ta:25°C	145.22%/305VAC 145.33%/230VAC 145.22%/100VAC Protection type: 105%~150% rated output power, Constant current limiting for more than 5 seconds and then recovers automatically after fault condition is removed.
2	OVER VOLTAGE PROTECTION	5.8V~ 7.5V Protection type: Shut down o/p voltage, AC re-power on to recover	I/P: 305VAC I/P: 85VAC O/P: MIN LOAD Ta:25°C	6.72V/ 305VAC 6.70V/ 85VAC PROTECTION TYPE : Shut down o/p voltage, AC re-power on to recover
3	OVER TEMPERATURE PROTECTION	Protection type: Shut down o/p voltage, AC re-power on to recover	I/P: 305VAC I/P: 85VAC O/P: FULL LOAD	TEST: <u>OK</u> O.T.P. Active Protection type : Shut down o/p voltage, AC re-power on to recover
4	SHORT PROTECTION	SHORT EVERY OUTPUT 1 HOUR NO DAMAGE Protection type: Constant current limiting for more than 5 seconds (Vout<30%) and then hiccup mode, recovers automatically after fault condition is removed	I/P: 305VAC I/P: 85VAC O/P: FULL LOAD	NO DAMAGE PROTECTION TYPE : Constant current limiting for more than 5 seconds (Vout<30%) and then hiccup mode, recovers automatically after fault condition is removed

CONTROL FUNCTION TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	REMOTE CONTROL	Power ON: RC+~RC- : 0~0.8Vdc or open Power OFF: RC+~RC- : 3.3~10Vdc	I/P:230VAC O/P:FULL LOAD Ta:25°C	TEST: <u>OK</u>
2	REMOTE SENSE	S+ / S- The remote sensing compensates voltage drop on the load wiring up to 0.3V	I/P: 230 VAC O/P:FULL LOAD Ta:25°C	TEST: <u>OK</u>
3	DC OK SIGNAL	15Vdc/10mA resistive load 	I/P:230VAC O/P:FULL LOAD Ta:25°C	TEST: <u>OK</u>
4	FAN CONTROL&NOISE	(1)Fan ON/OFF control: RTH4 ≥ 50°C±10°C FAN ON RTH4 ≤ 40°C±10°C FAN OFF (2) Fan & NOISE: <45dB@100% load with Ta=25°C	I/P:230VAC O/P: FULL LOAD	TEST: (1) <u>OK</u> (2) <u>44.8</u> dB Ta:25°C

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: 24A/ 650V	AC ON/OFF I/P: High-Line +3V =308V 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. Ta:25°C	Q2 Q3 VDS: VDS: (1) 483V (1) 455V (2) 479V (2) 475V (3) 479V (3) 455V (4) 479V (4) 459V (5) 479V (5) 459V (6) 483V (6) 459V (7) 479V (7) 459V

2	P.F.C Transistor (D to S) or (C to E) Peak Voltage	Q1 : Rated: 34A /650V	AC ON/OFF I/P: High-Line +3V =308V 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. Ta:25°C	Q1 VDS: (1) 463V (2) 455V (3) 455V (4) 455V (5) 451V (6) 443V (7) 439V
3	P.F.C DIODE	D5 : Rated: 10A/650V	I/P: High-Line +3V =308 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 Ta:25°C	(1) 455V (2) 451V (3) 451V (4) 433V
4	Diode Peak Voltage	Q100 / Q104: Rated: 210A/40V	AC ON/OFF I/P: High-Line +3V =308 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 <u>VO=Vonormal</u> O/P: (1) Full Load Ta:25°C	Q100: <u>VO=Vomax</u> VDS: (1) 22.1V (2) 22.1V (3) 27.3V (4) 21.7V (5) 21.5V (6) 21.5V (7) 22.3V (8) 21.3V <u>VO=Vonormal</u> (1) 21.3V Q104: <u>VO=Vomax</u> VDS: (1) 20.1V (2) 23.3V (3) 22.1V (4) 20.3V (5) 19.9V (6) 20.1V (7) 23.1V (8) 17.3V <u>VO=Vonormal</u> (1) 19.3V
5	Input Capacitor Voltage	C6 : Rated: 100 μ /450V	I/P: High-Line +3V =308V 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) 448V (2) 439V (3) 435V (4) 435V

6	Control IC Voltage Test	PFC/PWM IC U1 : Rated : 12.5V~ 27.9V IC U2 : Rated : 4.5V~18V O/P IC U101 : Rated : 4.75V~38V IC U103 : Rated : 3~30 V IC U104 : Rated : 3V ~30V	AC ON/OFF I/P: High-Line +3V =308V O/P: (1) Full Load (2) Output Short (3) O.L.P (4) O.V.P. (5) No Load VR min (Low Line) Ta:25°C	U1/U2 (1) 14.3V (2) 14.3V (3) 14.5V (4) 14.1V (5) 14.1V U101 (1) 15.9V (2) 15.9V (3) 15.7V (4) 15.7V (5) 15.9V U103/U104 (1) 12.6V (2) 12.6V (3) 12.6V (4) 12.6V (5) 12.6V
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■ SAFETY& E.M.C. TEST

SAFETY TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	WITHSTAND VOLTAGE	I/P-O/P: 4.2 K VAC/min I/P-FG : 2.1 K VAC/min O/P-FG: 1.5 KVAC/min	I/P-O/P: 4.62 KVAC/min I/P-FG: 2.52 KVAC/min O/P-FG: 1.8 KVAC/min Ta:25°C	I/P-O/P: 1.423 mA I/P-FG: 3.20 mA O/P-FG: 0.729 mA NO DAMAGE
2	ISOLATION RESISTANCE	I/P-O/P: 500 VDC>100MΩ I/P-FG: 500 VDC>100MΩ O/P-FG: 500 VDC >100MΩ	I/P-O/P: 600 VDC I/P-FG: 600 VDC O/P-FG: 600 VDC Ta:25°C	I/P-O/P: 50 GΩ I/P-FG: 24 GΩ O/P-FG: 50 GΩ NO DAMAGE
3	GROUNDING CONTINUITY	FG(PE) TO CHASSIS OR TRACE < 100 mΩ	40A / 2min Ta:25°C	5 mΩ

E.M.C TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	HARMONIC	BS EN/EN61000-3-2 (IEC61000-3-2) ■ CLASS A	I/P:230VAC/50HZ O/P:FULL LOAD Ta:25°C	■ PASS □ FAIL

2	CONDUCTION	BS EN/EN55032(CISPR32), CNS 15936 CLASS B BS EN/EN55011 (CISPR11) CLASS B	I/P : 230 VAC (50HZ) O/P : FULL/50% LOAD Ta : 25°C	PASS Test by certified Lab
3	RADIATION	BS EN/EN55032(CISPR32), CNS 15936 CLASS B BS EN/EN55011 (CISPR11) 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 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 INPUT : 2KV	I/P : 230 VAC/50HZ O/P : FULL LOAD Ta : 25°C	CRITERIA A
6	SURGE	BS EN/EN 61000-4-5 L-N : 2KV L,N-PE : 4KV	I/P : 230 VAC/50HZ O/P : FULL LOAD Ta : 25°C	☐ CRITERIA A ☐ CRITERIA B
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 : NSP-500-5 1. ROOM AMBIENT BURN-IN : 2 HRS I/P : 230VAC O/P : FULL LOAD Ta= 28.2 °C 2. HIGH AMBIENT BURN-IN : 2 HRS I/P : 230VAC O/P : FULL LOAD Ta= 62.3 °C <table><tr><th>NO</th><th>Position</th><th>ROOM AMBIENT Ta=28.2°C</th><th>HIGH AMBIENT Ta=62.3°C</th></tr><tr><td>1</td><td>ZNR1</td><td>33.8°C</td><td>68.4°C</td></tr><tr><td>2</td><td>LF1</td><td>39.8°C</td><td>74.9°C</td></tr><tr><td>3</td><td>C2</td><td>38.1°C</td><td>73.1°C</td></tr><tr><td>4</td><td>LF3</td><td>44.7°C</td><td>80.0°C</td></tr><tr><td>5</td><td>RTH1</td><td>38.8°C</td><td>73.4°C</td></tr><tr><td>6</td><td>Q1</td><td>52.6°C</td><td>88.1°C</td></tr></table>			NO	Position	ROOM AMBIENT Ta=28.2°C	HIGH AMBIENT Ta=62.3°C	1	ZNR1	33.8°C	68.4°C	2	LF1	39.8°C	74.9°C	3	C2	38.1°C	73.1°C	4	LF3	44.7°C	80.0°C	5	RTH1	38.8°C	73.4°C	6	Q1	52.6°C	88.1°C
NO	Position	ROOM AMBIENT Ta=28.2°C	HIGH AMBIENT Ta=62.3°C																													
1	ZNR1	33.8°C	68.4°C																													
2	LF1	39.8°C	74.9°C																													
3	C2	38.1°C	73.1°C																													
4	LF3	44.7°C	80.0°C																													
5	RTH1	38.8°C	73.4°C																													
6	Q1	52.6°C	88.1°C																													

			NO	Position	ROOM AMBIENT Ta=28.2℃	HIGH AMBIENT Ta=62.3℃
			7	C8	41.8℃	76.3℃
			8	BD1	55.6℃	92.2℃
			9	D5	56.3℃	91.9℃
			10	C7	45.6℃	80.9℃
			11	L3	45.3℃	80.5℃
			12	RY1	48.2℃	83.7℃
			13	T2	39.7℃	74.8℃
			14	U6	51.3℃	89.1℃
			15	C42	51.5℃	88.1℃
			16	C6	47.7℃	81.9℃
			17	Q3	56.4℃	92.1℃
			18	Q2	57.0℃	93.0℃
			19	C92	47.9℃	82.5℃
			20	U1	64.8℃	102.0℃
			21	T1core	61.5℃	103.0℃
			22	T1coil	78.9℃	119.1℃
			23	U103	36.9℃	73.9℃
			24	C105	70.3℃	111.1℃
			25	C110	62.2℃	99.4℃
			26	C116	52.2℃	88.8℃
			27	VR1	42.2℃	77.8℃
			28	U104	36.0℃	73.1℃
			29	R5	55.6℃	90.2℃
			30	U5	63.6℃	97.5
			31	U101	70.8℃	108.2℃
			32	Q102	72.4℃	111.7℃
			33	Q104	75.0℃	119.9℃
			34	D101	46.0℃	80.2℃
			35	D108	38.8℃	72.6℃
			36	C109	65.7℃	103.5℃
			37	D6	52.5℃	87.9℃
			38	C190	34.8℃	70.2℃
			39	RTH4	65.7℃	102.9℃
			40	RTH5	64.5℃	103.9℃
			41	RTH3	52.6℃	87.6℃
2	OVER LOAD BURN-IN TEST	NO DAMAGE 1 HOUR (MIN)	I/P : 230 VAC O/P : 116%LOAD Ta : 25℃		TEST : OK	
3	LOW TEMPERATURE TURN ON TEST	TURN ON AFTER 2 HOUR	I/P : 305VAC/100VAC O/P : 80%/100%LOAD Ta = -45℃/-35℃		TEST : OK	

4	HIGH HUMIDITY HIGH TEMPERATURE HIGH VOLTAGE TURN ON TEST	AFTER 12 HOURS IN CHAMBER ON CONTROL 60°C/95 %R.H NO DAMAGE	I/P : 315 VAC O/P : FULL LOAD Ta= 60°C HUMIDITY= 95 %R.H	TEST : OK
5	TEMPERATURE COEFFICIENT	± 0.05%/°C(0~60°C)	I/P : 230 VAC O/P : FULL LOAD	± 0.008%/°C(0~60°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	-30~60°C	1. Thermal shock Temperature : -35°C~ +65°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 : 10min/sweep cycle (4) Acceleration : 3G (5) Test Time : 180min in each axis (X.Y.Z) (6) Ta : 25°C	
9	CAPACITOR LIFE CYCLE	SUPPOSE C110 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=60 °C LIFE TIME (3) I/P : 230VAC O/P : 75% LOAD Ta= 60 °C LIFE TIME (4) I/P : 230VAC O/P : 50% LOAD Ta= 60 °C LIFE TIME		(1) 1570471HRS (2) 12913HRS (3) 129131HRS (4) 603990HRS
10	MTBF	Conducted by Parts Stress Analysis Prediction 1213.4K hrs min. Telcordia SR-332 (Bellcore) ; 212.1K 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 : 50,000 hours		

TEST RESULT	TESTER	REVIEW	APPROVAL
PASS	Yuwei	Liutt	Wangzd

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