



Test Report: LOP-300-15

300W 4"×2" 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

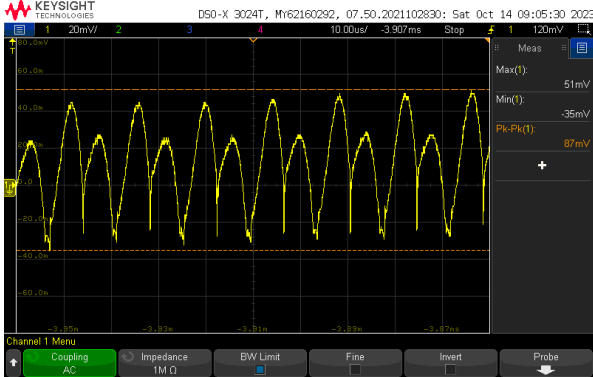
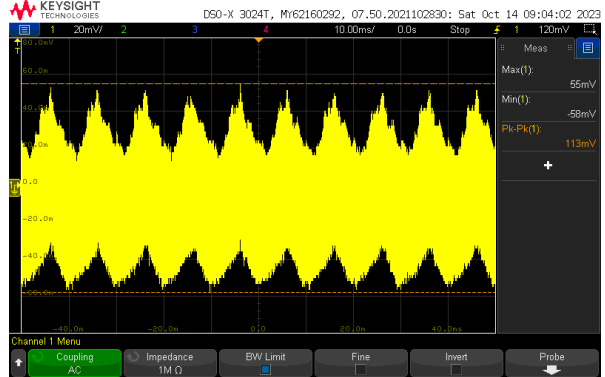
E.M.C. Test

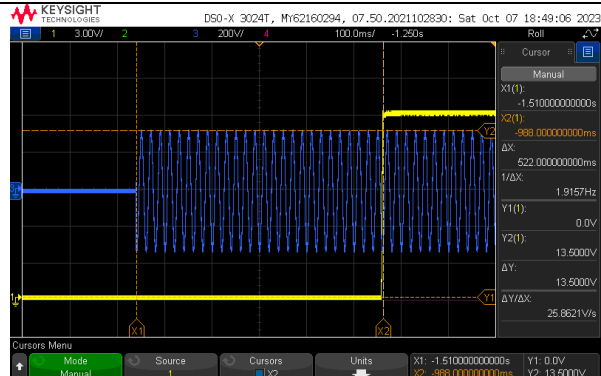
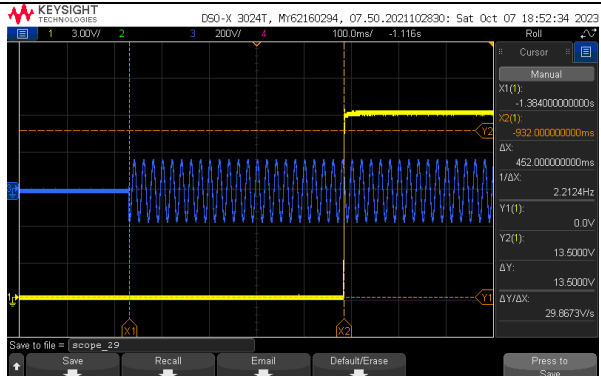
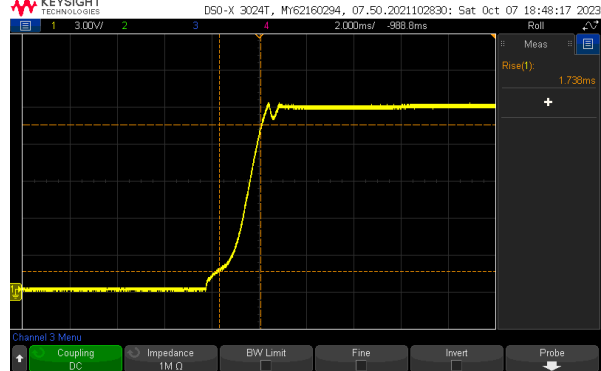
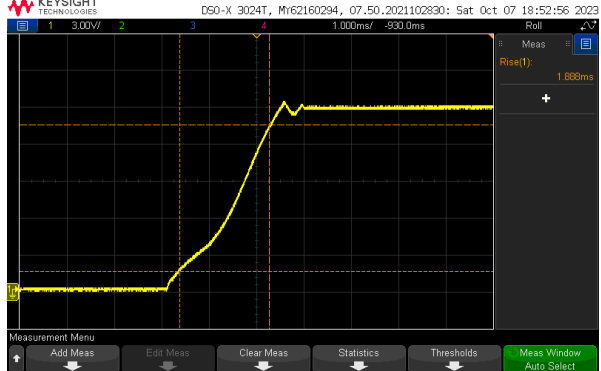
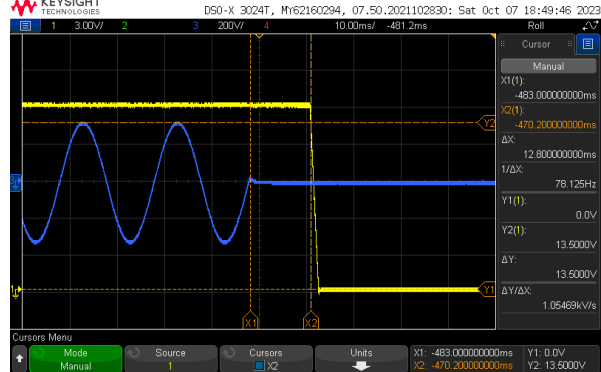
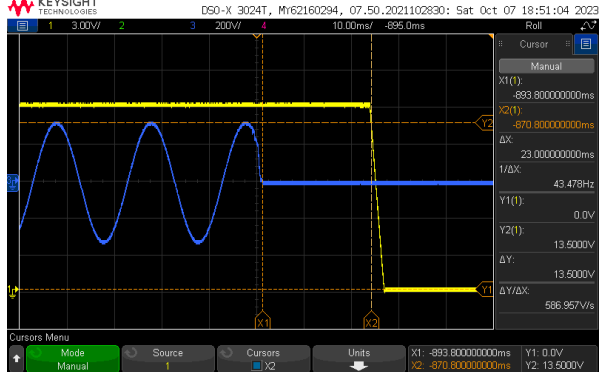
■ RELIABILITY TEST

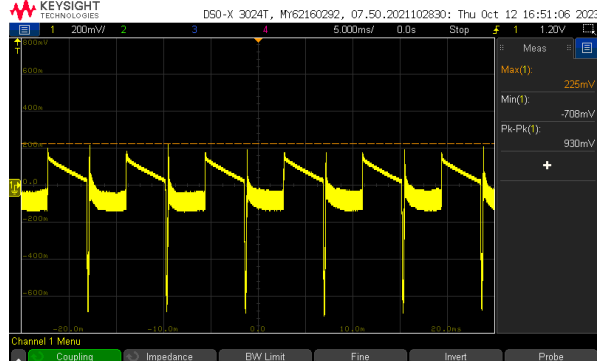
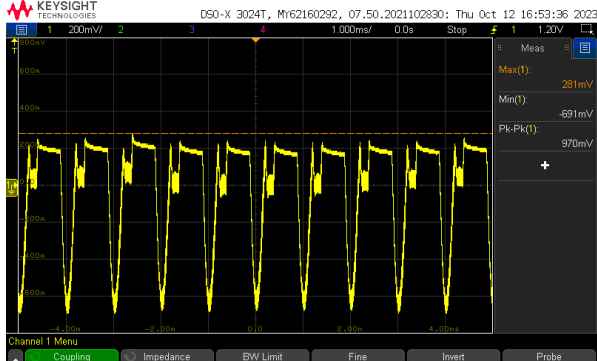
ENVIRONMENT TEST

DESIGN VERIFY TEST

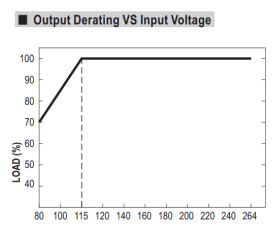
OUTPUT FUNCTION TEST

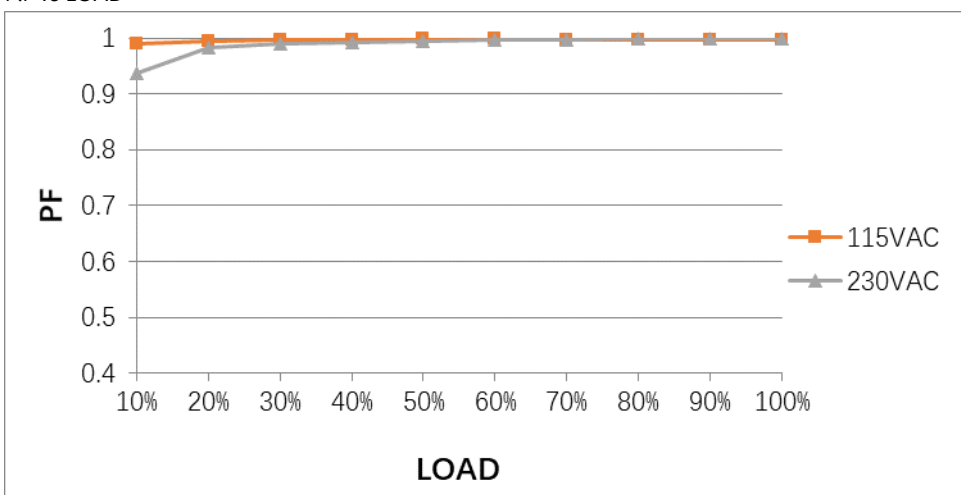
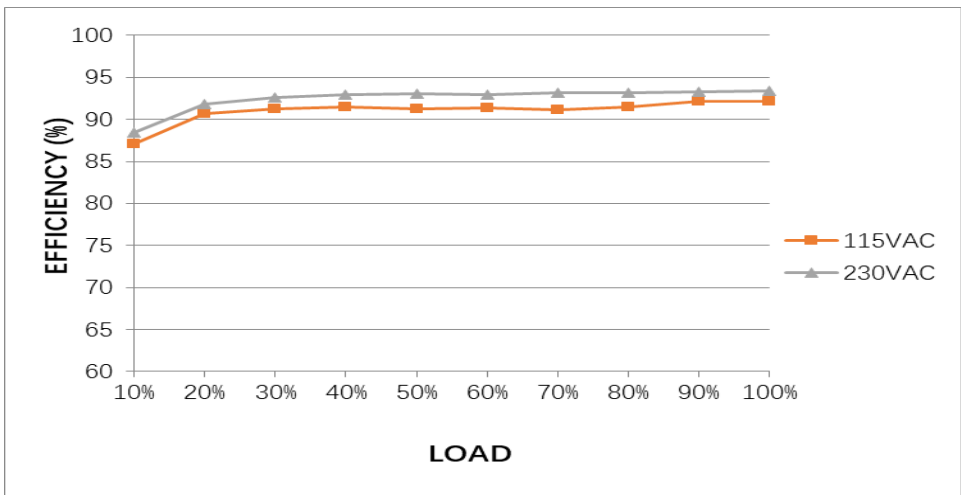
NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	OUTPUT VOLTAGE ADJUST RANGE	CH1: 14.3V~15.8V	I/P : 230 VAC I/P : 115 VAC O/P : MIN LOAD Ta : 25°C	13.391V~16.517V/230VAC 13.391V~16.517V/115VAC
2	OUTPUT VOLTAGE TOLERANCE	V1: -3% ~ +3%	I/P: 80VAC~ 264VAC O/P:FULL~ MIN. LOAD Ta:25°C	V1: -0.06% ~ 0.05%
3	LINE REGULATION	V1: -0.5% ~ +0.5%	I/P: 80VAC~ 264VAC O/P:FULL LOAD Ta:25°C	V1: -0.0% ~0.0 %
4	LOAD REGULATION	V1: -1% ~ +1%	I/P: 230VAC O/P:FULL ~MIN LOAD Ta:25°C	V1: -0.06% ~ 0.05%
5	OVER/UNDERSHOOT TEST	<±5%	I/P: 230VAC O/P:FULL LOAD Ta:25°C	-2.1%
6	RIPPLE & NOISE (Max)	V1: 150mVp-p	I/P:230VAC O/P: FULL LOAD Ta:25°C	V1: 87mVp-p / high frequency 113mVp-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/ 522ms 115VAC/ 452ms
INPUT=230VAC/50HZ @ FULL LOAD CH1: Output Voltage CH3: AC Input Voltage		INPUT=115VAC/60HZ @ FULL LOAD CH1: Output Voltage CH3: AC Input Voltage		

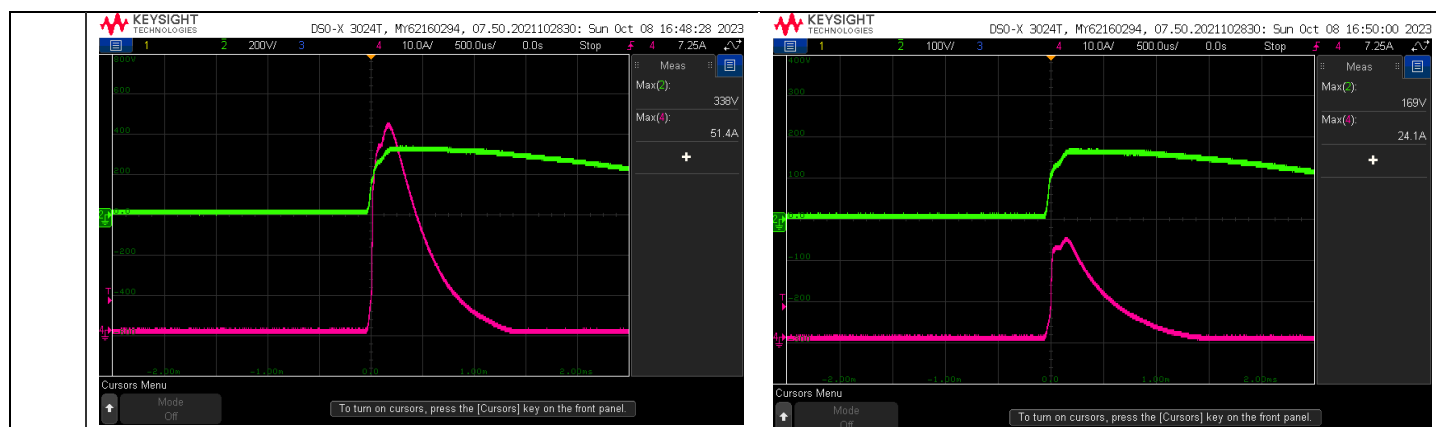
									
8	RISE TIME (Max)	230VAC/30ms 115VAC/30ms	I/P : 230 VAC I/P : 115 VAC O/P : FULL LOAD Ta : 25°C	230VAC/ 1.738ms 115VAC/ 1.888ms					
INPUT=230VAC/50HZ @ FULL LOAD CH1: Output Voltage 					INPUT=115VAC/60HZ @ FULL LOAD CH1: Output Voltage 				
9	HOLD UP TIME (Typ.)	8ms /300W load 16ms /180W load	I/P : 230 VAC O/P : TESTING Ta : 25°C	12.8ms /300W load 23.0ms /180W load					
INPUT=230VAC/50HZ @ 300W load CH1: Output Voltage CH3: AC Input Voltage 					INPUT=230VAC/50HZ @ 180W load CH1: Output Voltage CH3: AC Input Voltage 				
10	DYNAMIC LOAD	V1: 1500mVp-p	I/P: 230VAC O/P: (1) FULL/0% LOAD 50%DUTY / 120HZ (2) FULL/0% LOAD 50%DUTY / 1KHZ Ta:25°C	930 mVp-p 970 mVp-p					
FULL /0% LOAD 50%DUTY / 120HZ					FULL /0% LOAD 50%DUTY / 1KHZ				

	
11 TRANSIENT RECOVERY TIME	V1: 1500mVp-p < 500us I/P: 230VAC O/P:40% LOAD CHANGE 50%DUTY/120HZ 1.25A/us 415mVp-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) 75.7V~264V/ FULL LOAD 75.5V~264V/ 70% LOAD (2) 103.5Vdc~370Vdc/FULL LOAD 103.5Vdc~370Vdc/70% LOAD (3) 103.5Vdc~370Vdc/FULL LOAD 103.5Vdc~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/ 1.8A 115V/ 3.5A	I/P : 230 VAC I/P : 115 VAC O/P : FULL LOAD Ta : 25°C	I =1.403A/ 230VAC I =2.921A/ 115VAC
4	LEAKAGE CURRENT	Earth leakage current < 500uA(rms) @ 264VAC Touch current < 70uA(rms) @ 264VAC	I/P : 264 VAC O/P : Min LOAD Ta : 25°C	Earth: 265.5uA / 264VAC Touch:40.8uA / 264VAC
5	NO LOAD CONSUMPTION	<0.5W	I/P : 230VAC I/P : 115VAC O/P : NO LOAD	0.3518W/ 230VAC 0.2535W/ 115VAC

			Ta : 25°C																																		
6	POWER FACTOR (Typ.)	0.95/ 230VAC 0.98/115VAC	I/P : 230 VAC I/P : 115 VAC O/P : FULL LOAD Ta : 25°C	PF=0.9975/230VAC PF=0.9971/115VAC																																	
P.F vs LOAD																																					
 <table><caption>Power Factor vs Load Data</caption><thead><tr><th>LOAD (%)</th><th>115VAC PF</th><th>230VAC PF</th></tr></thead><tbody><tr><td>10%</td><td>0.9971</td><td>0.95</td></tr><tr><td>20%</td><td>0.9971</td><td>0.98</td></tr><tr><td>30%</td><td>0.9971</td><td>0.99</td></tr><tr><td>40%</td><td>0.9971</td><td>0.995</td></tr><tr><td>50%</td><td>0.9971</td><td>0.997</td></tr><tr><td>60%</td><td>0.9971</td><td>0.9975</td></tr><tr><td>70%</td><td>0.9971</td><td>0.9975</td></tr><tr><td>80%</td><td>0.9971</td><td>0.9975</td></tr><tr><td>90%</td><td>0.9971</td><td>0.9975</td></tr><tr><td>100%</td><td>0.9971</td><td>0.9975</td></tr></tbody></table>					LOAD (%)	115VAC PF	230VAC PF	10%	0.9971	0.95	20%	0.9971	0.98	30%	0.9971	0.99	40%	0.9971	0.995	50%	0.9971	0.997	60%	0.9971	0.9975	70%	0.9971	0.9975	80%	0.9971	0.9975	90%	0.9971	0.9975	100%	0.9971	0.9975
LOAD (%)	115VAC PF	230VAC PF																																			
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7	EFFICIENCY(Typ.)	93%	I/P:230 VAC O/P:FULL LOAD Ta:25°C	93.6%																																	
EFFICIENCY vs LOAD																																					
 <table><caption>Efficiency vs Load Data</caption><thead><tr><th>LOAD (%)</th><th>115VAC Efficiency (%)</th><th>230VAC Efficiency (%)</th></tr></thead><tbody><tr><td>10%</td><td>91.5</td><td>88</td></tr><tr><td>20%</td><td>92.5</td><td>92</td></tr><tr><td>30%</td><td>92.5</td><td>93</td></tr><tr><td>40%</td><td>92.5</td><td>93.5</td></tr><tr><td>50%</td><td>92.5</td><td>93.5</td></tr><tr><td>60%</td><td>92.5</td><td>93.5</td></tr><tr><td>70%</td><td>92.5</td><td>93.5</td></tr><tr><td>80%</td><td>92.5</td><td>93.5</td></tr><tr><td>90%</td><td>93</td><td>94</td></tr><tr><td>100%</td><td>93.6</td><td>94</td></tr></tbody></table>					LOAD (%)	115VAC Efficiency (%)	230VAC Efficiency (%)	10%	91.5	88	20%	92.5	92	30%	92.5	93	40%	92.5	93.5	50%	92.5	93.5	60%	92.5	93.5	70%	92.5	93.5	80%	92.5	93.5	90%	93	94	100%	93.6	94
LOAD (%)	115VAC Efficiency (%)	230VAC Efficiency (%)																																			
10%	91.5	88																																			
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70%	92.5	93.5																																			
80%	92.5	93.5																																			
90%	93	94																																			
100%	93.6	94																																			
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 =51.4A/ 230VAC I =24.1A/ 115VAC T50= 470us/230V																																	
INPUT=230VAC/50HZ @ FULL LOAD CH1: AC Input Voltage CH4: Input current																																					
INPUT=115VAC/ 60HZ @ FULL LOAD CH1: AC Input Voltage CH4: Input current																																					



PROTECTION FUNCTION TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	OVER LOAD PROTECTION	105 ~ 150% rated output power PROTECTION TYPE : Hiccup after 3 sec, recovers automatically(3 sec) after fault condition is removed.	I/P: 264VAC I/P: 230VAC I/P: 115VAC O/P: TESTING Ta:25°C	126.195%/ 264VAC 126.195%/ 230VAC 126.055%/ 115VAC PROTECTION TYPE : Hiccup after 3 sec, recovers automatically(3 sec) after fault condition is removed.
2	OVER VOLTAGE PROTECTION	16.5V~19.5V 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	18.42V/ 264VAC 18.36V/ 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	I/P: 264VAC I/P: 80VAC O/P: FULL LOAD	O.T.P Active Protection type : OK Shut down o/p voltage, recovers automatically after temperature goes down
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 PROTECTION TYPE : OK 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 / 12V@0.5A without fan cooling ; (10.98CFM) tolerance -15%~+15% at main output 20% rated current	I/P: 230 VAC O/P: TESTING Ta:25°C	TEST : <u>-0.43%~0.38 %</u>

COMPONENT STRESS TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	PWM Transistor (D to S) or (C to E) Peak Voltage	Q5/ Q6 Rated: 18A/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/ 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	Q5: Q6: VDS: VDS: (1) 435V (1) 447V (2) 447V (2) 479V (3) 435V (3) 439V (4) 431V (4) 439V (5) 431V (5) 439V (6) 439V (6) 439V (7) 451V (7) 483V (8) 439V (8) 451V
2	P.F.C Transistor (D to S) or (C to E) Peak Voltage	Q1 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/ 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	VDS: (1) 463V (2) 431V (3) 479V (4) 471V (5) 463V (6) 451V (7) 431V (8) 463V
3	P.F.C DIODE	D1 Rated: 8A/ 600V	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	(1) 419V (2) 411V (3) 419V (4) 415V (5) 419V

4	Diode Peak Voltage	Q100/Q101 Rated: 140A/60V	AC ON/OFF I/P: High-Line +3V =267 V Vo=Vomax 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 脫離前 (10) Peak Load Vo=Vnormal O/P: (1) Full Load Ta:25°C	Q100: Vo=Vomax VDS: (1) 44.8V (2) 44.8V (3) 46.0V (4) 45.2V (5) 44.8V (6) 45.6V (7) 41.2V (8) 39.6V (9) 40.4V (10) 45.6V Vo=Vnormal (1) 43.2V	Q101: Vo=Vomax VDS: (1) 44.4V (2) 44.8V (3) 45.6V (4) 44.8V (5) 44.8V (6) 44.8V (7) 41.6V (8) 39.2V (9) 40.8V (10) 45.2V Vo=Vnormal (1) 43.6V
5	Input Capacitor Voltage	C5 Rated: 100μ / 420V	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 (5) Peak Load on/off (6) Peak Load continue Ta:25°C	(1) 401 V (2) 395V (3) 401V (4) 407V (5) 405V (6) 401V	
6	Control IC Voltage Test	PFC /PWM IC U1: Rated : 18.2V~ 28.7V O/P IC U101 Rated : 4.75V~38V	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 (1) 22.8V (2) 20.0V (3) 23.2V (4) 25.4V (5) 19.8V	U101 (1) 17.8V (2) 10.5V (3) 18.0V (4) 18.6V (5) 12.9V

■ 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: 2.22mA I/P-FG:2.69mA O/P-FG:1.326mA 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) BS EN/EN55011(CISPR11) Class I: Class B , Class II: Class A BS EN/EN55014(CISPR32) Class I: 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) BS EN/EN55011(CISPR11) 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-300-12 1. ROOM AMBIENT BURN-IN : 2 HRS I/P : 230VAC O/P : FULL LOAD 2. HIGH AMBIENT BURN-IN : 2 HRS I/P : 230VAC O/P : FULL LOAD		

		NO	Position	ROOM AMBIENT	HIGH AMBIENT	ROOM AMBIENT	HIGH AMBIENT
				Ta= 25 °C No Fan	Ta= 45 °C No Fan	Ta= 25 °C With Fan	Ta= 50 °C With Fan
		1	RTH1	67.8°C	88.7°C	56.5°C	76.2°C
		2	C1	66.6°C	85.6°C	31°C	55.4°C
		3	ZNR1	51.5°C	70.3°C	27.3°C	52.2°C
		4	LF1	60.4°C	79.1°C	34.3°C	58.3°C
		5	C50	66.2°C	85.4°C	28.8°C	54.3°C
		6	LF2	66°C	85.4°C	34.3°C	61.2°C
		7	L2	76.4°C	96.9°C	36.5°C	64.7°C
		8	C10	80.9°C	100.5°C	37.4°C	63.5°C
		9	C5	78°C	97°C	35.1°C	61.7°C
		10	T1 coil	85.6°C	104.3°C	75.5°C	99.7°C
		11	T1 core	82.1°C	101.3°C	61.5°C	93.6°C
		12	C106	73.9°C	90.1°C	66.9°C	85.6°C
		13	C110	71.2°C	89.9°C	65.9°C	84°C
		14	L1	79.3°C	99.2°C	60.8°C	87.1°C
		15	BD1	75°C	93.3°C	34.5°C	64.9°C
		16	Q1	81.9°C	100.8°C	44.5°C	72.6°C
		17	D1	81.9°C	100.6°C	52.9°C	79.1°C
		18	L100	85.2°C	103.1°C	80.8°C	97°C
		19	D41	65.7°C	85.4°C	29.6°C	55.2°C
		20	R4	80.6°C	94.7°C	38.6°C	64.9°C
		21	U1	82.2°C	102.8°C	36.1°C	60.7°C
		22	Q5	91.7°C	111°C	54.8°C	80.6°C
		23	Q6	96.3°C	115.6°C	48.8°C	75.4°C
		24	U4	79.2°C	99°C	37.2°C	62.6°C
		25	Q100	94.6°C	108.3°C	79.4°C	103.4°C
		26	U101	96.7°C	113°C	65.6°C	89.4°C
		27	Q101	95.5°C	115.9°C	64.7°C	89.2°C
		28	D2	79.9°C	102.2°C	45.4°C	72°C
		29	R101	99.8°C	114.2°C	44.9°C	90.4°C
		30	D151	90.2°C	107.6°C	82.8°C	99.5°C
		31	D34	71.5°C	89.6°C	29.9°C	55.2°C
		32	RTH2	74.6°C	94.8°C	33.4°C	58.9°C
2	OVER LOAD BURN-IN TEST	NO DAMAGE 1 HOUR (MIN)		I/P : 230 VAC O/P : 122% LOAD Ta : 25°C		TEST : OK	
3	LOW TEMPERATURE TURN ON TEST	TURN ON AFTER 2 HOUR		I/P : 264VAC/100VAC O/P : 100 % LOAD Ta= -35 °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		± 0.013 %/°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 C106 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= 45 °C LIFE TIME (3) I/P : 230VAC O/P : 75% LOAD Ta= 45 °C LIFE TIME (4) I/P : 230VAC O/P : 50% LOAD Ta= 45 °C LIFE TIME	(1) 179461 HRS (NO FAN) (2) 27795 HRS (NO FAN) (3) 73109 HRS (NO FAN) (4) 144202 HRS (NO FAN)
		SUPPOSE C106 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) 401763 HRS (WITH FAN) (2) 46663 HRS (WITH FAN) (3) 130008 HRS (WITH FAN) (4) 322827 HRS (WITH FAN)
10	MTBF	Conducted by Parts Stress Analysis Prediction 2805.6K hrs min. Telcordia SR-332 (Bellcore) ; 384.4K 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