



# Test Report: RSP-1600-36

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1600W Power Supply with Single Output

## ■ 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

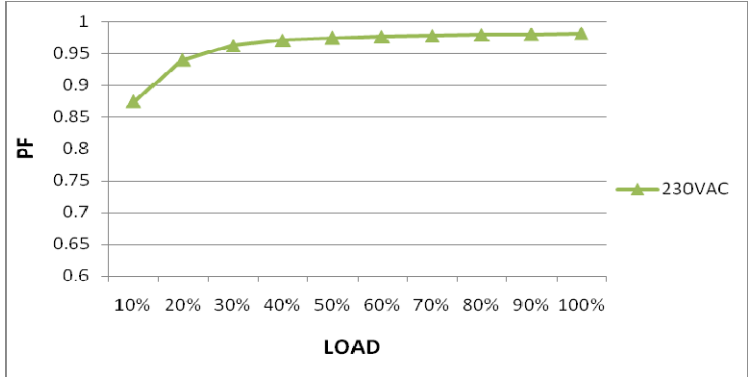
## DESIGN VERIFY TEST

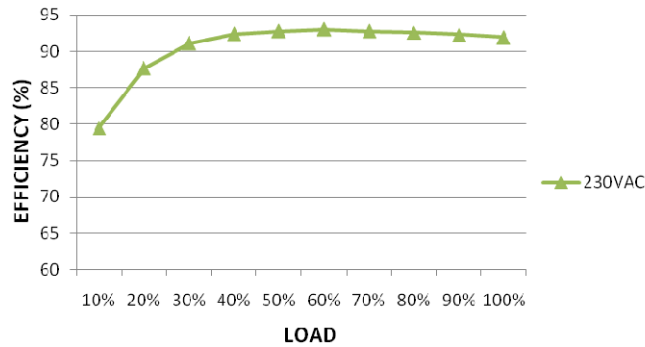
### OUTPUT FUNCTION TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	OUTPUT VOLTAGE ADJUST RANGE	CH1: 35.5 V~ 45V	I/P : 230 VAC I/P : 90 VAC O/P : MIN LOAD Ta : 25°C	46.08V~34.19V/230VAC 46.08V~34.21V/90VAC
2	OUTPUT VOLTAGE(Max) TOLERANCE	V1: 1 %~ -1 %	I/P: 180VAC /264VAC O/P:FULL/ MIN. LOAD Ta:25°C	V1:-0.02 %~ 0.02 %
3	LINE REGULATION (Max)	V1: 0.5 %~ -0.5 %	I/P: 180VAC~ 264VAC O/P:FULL LOAD Ta:25°C	V1: -0.02 %~ -0.02 %
4	LOAD REGULATION(Max)	V1: 0.5 %~ -0.5 %	I/P: 230VAC O/P:FULL ~MIN LOAD Ta:25°C	V1: 0 %~ 0.02 %
5	OVER/UNDERSHOOT TEST	< ±5%	I/P: 230VAC O/P:FULL LOAD Ta:25°C	0.43 %
6	RIPPLE & NOISE(Max)	V1: 250 mVp-p	I/P:230VAC O/P:FULL LOAD Ta:25°C	V1:147 mVp-p
		high frequency :	low frequency :	
7	SET UP TIME(Max)	230VAC/1500ms	I/P : 230 VAC O/P : FULL LOAD Ta : 25°C	230VAC/ 1056 ms
		INPUT=230VAC/50HZ @ FULL LOAD CH1 : Output Voltage CH2 : AC Input Voltage 		
8	RISE TIME (Max)	230VAC/60ms	I/P : 230 VAC O/P : FULL LOAD Ta : 25°C	230VAC/36.8 ms

	<p>INPUT=230VAC/50HZ @ FULL LOAD</p> <p>CH1 : Output Voltage</p>		
<p>9</p>	<p>HOLD UP TIME (Typ.)</p> <p>230VAC/10ms /FULL LOAD 230VAC/16ms /75% LOAD</p>	<p>I/P : 230 VAC O/P : FULL LOAD /75% LOAD Ta : 25°C</p>	<p>230VAC/ 13.4 ms /FULL LOAD 230VAC/ 20.2 ms /75% LOAD</p>
	<p>INPUT=230VAC/50HZ @ FULL LOAD</p> <p>CH1 : Output Voltage CH2 : AC Input Voltage</p>		
<p>10</p>	<p>DYNAMIC LOAD</p> <p>V1: 3600 mVp-p</p>	<p>I/P: 230VAC O/P: (1)FULL /50% LOAD 50%DUTY / 120HZ (2)FULL /50% LOAD 50%DUTY / 1KHZ Ta:25°C</p>	<p>422mVp-p 342mVp-p</p>
	<p>FULL /50% LOAD 50%DUTY / 120HZ</p>		
	<p>FULL /50% LOAD 50%DUTY / 1KHZ</p>		

**INPUT FUNCTION TEST**

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT																						
1	INPUT VOLTAGE RANGE	90V~264VAC	I/P:TESTING O/P: FULL LOAD O/P:60% LOAD Ta:25°C	150 V~ 264 V 87V~264V																						
			I/P: (1)LOW-LINE-3V=87 V HIGH-LINE+15%=300 V O/P:FULL/MIN LOAD (PLEASE CHECK DERATING CURVE) ON: 30 Sec OFF: 30 Sec 10MIN (2)230Vac ON: 0.5 Sec OFF: 0.5 Sec 20MIN (3)230Vac ON:3Sec OFF:3Sec 12HOURS (POWER ON/OFF NO DAMAGE)	TEST:OK																						
2	INPUT FREQUENCY RANGE	47HZ ~63 HZ NO DAMAGE	I/P:90 VAC ~264 VAC O/P:FULL~MIN LOAD Ta:25°C	TEST: OK																						
3	INPUT CURRENT (Typ.)	230V/ 8.5 A 115V/ 15 A	I/P : 230 VAC I/P : 115 VAC O/P : FULL LOAD (PLEASE CHECK DERATING CURVE) Ta : 25°C	I =7.88A/ 230VAC I =12.45A/ 115VAC																						
4	LEAKAGE CURRENT	<2 mA / 240 VAC	I/P : 240 VAC O/P : Min LOAD Ta : 25°C	L-FG : 0.76 mA N-FG : 0.76 mA																						
5	POWER FACTOR (Typ.)	0.97 / 230VAC	I/P : 230 VAC O/P : FULL LOAD Ta : 25°C	PF=0.9808/230VAC																						
<p>P.F vs LOAD</p>  <table border="1"> <caption>Data for P.F vs LOAD (230VAC)</caption> <thead> <tr> <th>LOAD (%)</th> <th>PF</th> </tr> </thead> <tbody> <tr><td>10%</td><td>0.87</td></tr> <tr><td>20%</td><td>0.94</td></tr> <tr><td>30%</td><td>0.96</td></tr> <tr><td>40%</td><td>0.97</td></tr> <tr><td>50%</td><td>0.975</td></tr> <tr><td>60%</td><td>0.978</td></tr> <tr><td>70%</td><td>0.98</td></tr> <tr><td>80%</td><td>0.982</td></tr> <tr><td>90%</td><td>0.984</td></tr> <tr><td>100%</td><td>0.986</td></tr> </tbody> </table>					LOAD (%)	PF	10%	0.87	20%	0.94	30%	0.96	40%	0.97	50%	0.975	60%	0.978	70%	0.98	80%	0.982	90%	0.984	100%	0.986
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6	EFFICIENCY(Typ.)	92%	I/P:230 VAC O/P:FULL LOAD Ta:25°C	92.45%																						
EFFICIENCY vs LOAD																										



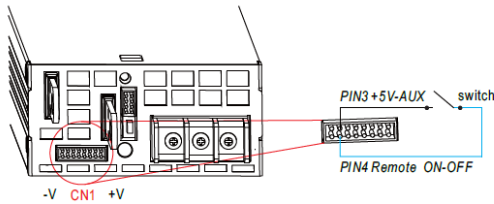
7	INRUSH CURRENT(Typ.)	230V/35 A COLD START	I/P : 230 VAC O/P : FULL LOAD Ta : 25°C	I =31.6A/ 230VAC T50= 1920 us/230V
<p>INPUT=230VAC/50HZ @ FULL LOAD</p> <p>CH1 : Input current</p> <p>Ch1 Max 31.6 A Ch1 +Over 0.000 % Ch1 Min -22.6 A</p> <p>29 Mar 2016 18:39:57</p>				

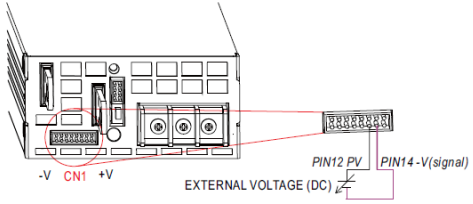
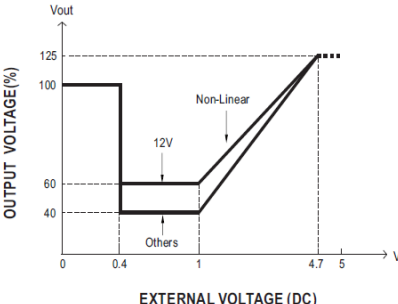
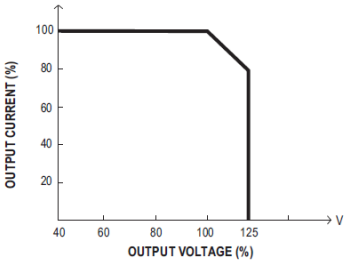
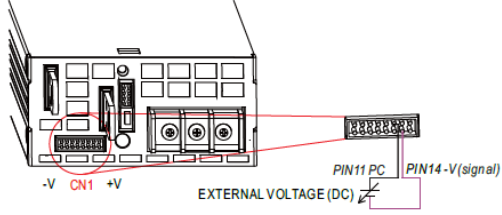
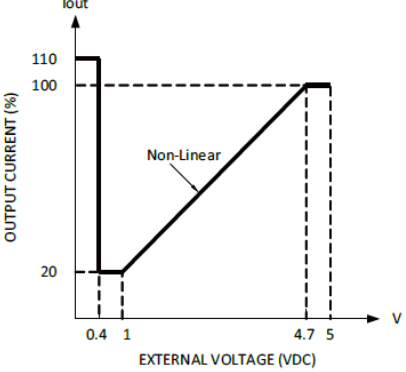
## PROTECTION FUNCTION TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	OVER LOAD PROTECTION	105 %~ 115 %  PROTECTION TYPE : Constant current limiting, unit will shut down o/p voltage after 5 sec. re-power on to recover	I/P: 264VAC I/P: 230VAC I/P: 180VAC O/P: TESTING Ta:25°C	110.74%/ 264VAC 110.46%/ 230VAC 110.69%/180VAC PROTECTION TYPE : Constant current limiting, unit will shut down o/p voltage after 5 sec. re-power on to recover
2	OVER VOLTAGE PROTECTION	47.2 V~ 56.3 V  PROTECTION TYPE : Shut down o/p voltage, re-power on to recover	I/P: 264VAC I/P: 230VAC I/P: 90VAC O/P: MIN LOAD Ta:25°C	51.3V/ 264VAC 51.3V/ 230VAC 51.3V/ 90VAC PROTECTION TYPE : Shut down o/p voltage, re-power on to recover
3	OVER TEMPERATURE PROTECTION	NO DAMAGE  PROTECTION TYPE : Shut down o/p voltage, recovers automatically after temperature goes down	I/P: 264VAC I/P: 180VAC O/P: FULL LOAD	O.T.P. Active  PROTECTION TYPE : Shut down o/p voltage, recovers automatically after temperature goes down
4	SHORT PROTECTION	SHORT EVERY OUTPUT 1 HOUR NO DAMAGE  PROTECTION TYPE : Constant current limiting, unit will	I/P: 264VAC I/P: 90VAC O/P: FULL LOAD Ta:25°C	NO DAMAGE  PROTECTION TYPE : Constant current limiting, unit will shut down o/p voltage after 5 sec. re-power on to

	shut down o/p voltage after 5 sec. re-power on to recover		recover
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## CONTROL FUNCTION TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT															
1	AUXILIARY POWER (AUX)	1. $5V \pm 10\%$ @0.3A ripple:150mVp-p  2. $12V \pm 10\%$ @0.8A ripple:250mVp-p	I/P: 230 VAC O/P:FULL LOAD Ta:25°C	5.02V 0.3A / 72mVp-p 11.13V 0.794 A / 201 mVp-p															
2	REMOTE ON/OFF CONTROL	※ The power supply can be turned ON/OFF individually or along with other units by using the "Remote ON-OFF" function.    I/P: 230 VAC O/P:FULL LOAD Ta:25°C Test Result : <table border="1"> <thead> <tr> <th>Between Remote ON-OFF and +5V-AUX</th> <th>Power Supply Status</th> </tr> </thead> <tbody> <tr> <td>SW SHORT</td> <td>ON</td> </tr> <tr> <td>SW OPEN</td> <td>OFF</td> </tr> </tbody> </table>	Between Remote ON-OFF and +5V-AUX	Power Supply Status	SW SHORT	ON	SW OPEN	OFF	<table border="1"> <thead> <tr> <th>Between Remote ON-OFF and +5V-AUX</th> <th>Power Supply Status</th> </tr> </thead> <tbody> <tr> <td>Switch Short</td> <td>ON</td> </tr> <tr> <td>Switch Open</td> <td>OFF</td> </tr> </tbody> </table>	Between Remote ON-OFF and +5V-AUX	Power Supply Status	Switch Short	ON	Switch Open	OFF				
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Switch Open	OFF																		
3	REMOTE SENSE	S+ / S- $> 0.5V$ Compensate voltage drop on the load wiring up to 0.5V.	I/P: 230 VAC O/P:FULL LOAD Ta:25°C	$> 0.5V$															
4	ALARM SIGNAL	1. DC OK SIGNAL High (4.5 ~ 5.5V) : When the $V_{out} \leq 80\% \pm 5\%$ . Low (-0.1 ~ 0.5V) : When $V_{out} \geq 80\% \pm 5\%$ . The maximum sourcing current is 10mA and only for output. I/P: 230 VAC O/P:FULL LOAD Ta:25°C Test Result : <table border="1"> <thead> <tr> <th>Vout</th> <th>DC OK SIGNAL</th> </tr> </thead> <tbody> <tr> <td><math>V_{out} \leq 75\%</math></td> <td>5.38V</td> </tr> <tr> <td><math>V_{out} \geq 85\%</math></td> <td>0.01V</td> </tr> </tbody> </table>	Vout	DC OK SIGNAL	$V_{out} \leq 75\%$	5.38V	$V_{out} \geq 85\%$	0.01V											
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		2. T-ALARM <table border="1"> <thead> <tr> <th>P.S.U STATUS</th> <th>Vo</th> <th>T-ALARM</th> </tr> </thead> <tbody> <tr> <td>NORMAL</td> <td><math>100\% \pm 2\%</math></td> <td>-0.1 ~0.5V</td> </tr> <tr> <td>OTP OR FAN LOCK</td> <td>0V</td> <td>4.5~5.5V</td> </tr> </tbody> </table> I/P: 230 VAC O/P:FULL LOAD Ta:25°C Test Result : <table border="1"> <thead> <tr> <th>P.S.U STATUS</th> <th>T-ALARM</th> </tr> </thead> <tbody> <tr> <td>NORMAL</td> <td>0.01 V</td> </tr> <tr> <td>OTP OR FAN LOCK</td> <td>5.38V</td> </tr> </tbody> </table>	P.S.U STATUS	Vo	T-ALARM	NORMAL	$100\% \pm 2\%$	-0.1 ~0.5V	OTP OR FAN LOCK	0V	4.5~5.5V	P.S.U STATUS	T-ALARM	NORMAL	0.01 V	OTP OR FAN LOCK	5.38V		
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<p>5</p> <p>OUTPUT VOLTAGE PROGRAMMABLE (PV)</p>	<p>※ In addition to the adjustment via the built-in potentiometer, the output voltage can be trimmed by applying EXTERNAL VOLTAGE.</p>  <p>EXTERNAL VOLTAGE (DC) is connected to PIN12 (PV) and PIN14 (-V(signal)).</p> <p>⊙ For Remote Sense / Local Sense, please refer to "Voltage Drop Compensation" section.</p>   <p>⊙ The rated current should change with the Output Voltage Programming accordingly.          ⊙ For Remote Sense / Local Sense, please refer to "Voltage Drop Compensation" section.</p> <p>I/P: 230 VAC          O/P: FULL LOAD          Ta: 25°C          Test Result :</p> <table border="1"> <thead> <tr> <th>PV</th> <th>&lt;0.4V</th> <th>1V</th> <th>5V</th> </tr> </thead> <tbody> <tr> <td>MODEL</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SPEC</td> <td>36V±5%</td> <td>14.4V±5%</td> <td>45V±5%</td> </tr> <tr> <td>Vout</td> <td>36.01V</td> <td>14.5V</td> <td>45.5V</td> </tr> </tbody> </table>	PV	<0.4V	1V	5V	MODEL				SPEC	36V±5%	14.4V±5%	45V±5%	Vout	36.01V	14.5V	45.5V
PV	<0.4V	1V	5V														
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SPEC	36V±5%	14.4V±5%	45V±5%														
Vout	36.01V	14.5V	45.5V														
<p>6</p> <p>OUTPUT CURRENT PROGRAMMABLE (PC)</p>	 <p>EXTERNAL VOLTAGE (DC) is connected to PIN11 (PC) and PIN14 (-V(signal)).</p> <p>⊙ For Remote Sense / Local Sense, please refer to "Voltage Drop Compensation" section.</p>  <p>I/P: 230 VAC          O/P: TESTING          Ta: 25°C          Test Result :</p> <table border="1"> <thead> <tr> <th>ADJ V</th> <th>1V</th> <th>4.7V</th> <th>5V</th> </tr> </thead> <tbody> <tr> <td>SPEC</td> <td>20%±10%</td> <td>100%±10%</td> <td>100%±10%</td> </tr> <tr> <td>Iout</td> <td>18.9%</td> <td>101.1%</td> <td>102.2%</td> </tr> </tbody> </table>	ADJ V	1V	4.7V	5V	SPEC	20%±10%	100%±10%	100%±10%	Iout	18.9%	101.1%	102.2%				
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Iout	18.9%	101.1%	102.2%														
<p>7</p> <p>CURRENT SHARING</p>	<p>&lt; ±5%</p> <p>I/P : 230 VAC          O/P : FULL/50% LOAD</p> <p>O/P : 100%          PSU1 : 45.83 A</p>																

			Ta : 25°C	PSU2 : 46.28 A PSU3 : 44.67 A PSU4 : 45.38 A PSU5 : 44.07 A PSU6 : 44.82 A O/P : 50% PSU1 : 22.86 A PSU2 : 23.32 A PSU3 : 22.76 A PSU4 : 22.86 A PSU5 : 22.21 A PSU6 : 22.61 A
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**COMPONENT STRESS TEST**

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	PWM Transistor ( D to S) or (C to E) <b>Peak Voltage</b>	Q901 Rated 29A/600V	I/P:High-Line +3V =267V AC ON/OFF 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	VDS: (1)469V (2)448V (3)428V (4)432V (5)432V (6)432V (7)436V
2	P.F.C Transistor ( D to S) or (C to E) <b>Peak Voltage</b>	Q52 Rated 52A/ 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/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	VDS: (1)457V/19.1A (2) 408V/18.7A (3)440 V/14.2A (4)444 V/14.6A (5)457 V/13.4A (6)428V/10.3A (7)412V/11.1A
3	Diode <b>Peak Voltage</b>	Q101 Rated 104A/150 V  Q104 Rated 104A/150 V	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/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	Q101:           Q104: VDS:           VDS: (1)140V       (1)140V (2)136V       (2)136V (3)138V       (3)136V (4)138V       (4)140V (5)140V       (5)138V (6)136V       (6)134V (7)136V       (7)138V (8)142V       (8)140V



			(7)0%→400% Load. (8).NO LOAD Ta:25°C	
4	Input Capacitor Voltage	C5 Rated: 680μ/400 V	I/P:High-Line +3V =267 V O/P: (1)Full Load Ta:25°C	(1)389V
5	Control IC Voltage Test	PWM IC U901 Rated 6.5 V~24V  PFC IC U51 Rated 4.5V~ 15V	I/P:High-Line +3V =267 V AC ON/OFF O/P(1)FULL LOAD (2) Output Short (3)O.L.P (4)O.V.P. Ta:25°C	(1) 14.4V (2) 15.0V (3) 14.8V (4) 13.2V  (1)13.6V (2)13.4V (3)13.4V (4)13.4V

## SAFETY TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	WITHSTAND VOLTAGE	I/P-O/P: 3KVAC/min I/P-FG :2KVAC/min O/P-FG:1.5KVAC/min	I/P-O/P: 3.6 KVAC/min I/P-FG: 2.4 KVAC/min O/P-FG:1.8 KVAC/min Ta:25°C	I/P-O/P:7.31mA I/P-FG:7.08mA O/P-FG:7.51m A 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: 500 VDC I/P-FG: 500 VDC O/P-FG: 500 VDC Ta:25°C	I/P-O/P: 20.1GΩ I/P-FG: 15.9GΩ O/P-FG:27.4 GΩ NO DAMAGE
3	GROUNDING CONTINUITY	FG(PE) TO CHASSIS OR TRACE < 100 mΩ	40A / 2min Ta:25°C	17 mΩ

## E.M.C TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	HARMONIC	EN61000-3-2 CLASS A	I/P:230VAC/50HZ O/P:100% LOAD Ta:25°C	PASS
2	CONDUCTION	EN55022 CLASS B	I/P : 230 VAC (50HZ) O/P : FULL/50% LOAD Ta : 25°C	PASS Test by certified Lab
3	RADIATION	EN55022 CLASS A	I/P : 230 VAC (50HZ) O/P : FULL LOAD Ta : 25°C	PASS Test by certified Lab
4	E.S.D	EN61000-4-2 INDUSTRY AIR : 8KV / Contact : 4KV	I/P : 230 VAC/50HZ O/P : FULL LOAD Ta : 25°C	CRITERIA A
5	E.F.T	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			

■ **RELIABILITY TEST**

**ENVIRONMENT TEST**

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT																																																																																																								
1	TEMPERATURE RISE TEST	MODEL : RSP-1600-24 1. ROOM AMBIENT BURN-IN : 1 HRS I/P : 230VAC O/P : FULL LOAD Ta= 28.3 °C 2. HIGH AMBIENT BURN-IN : 3 HRS I/P : 230VAC O/P : FULL LOAD Ta= 52.5 °C																																																																																																										
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2	OVER LOAD BURN-IN TEST	NO DAMAGE 1 HOUR ( MIN )	I/P : 230 VAC O/P : 105% LOAD Ta : 25°C	TEST : OK																																																																																																								
3	LOW TEMPERATURE TURN ON TEST	TURN ON AFTER 2 HOUR	I/P : 230VAC/180VAC O/P : 100 % LOAD Ta= -35°C / -30°C	TEST : OK																																																																																																								
4	HIGH HUMIDITY HIGH TEMPERATURE HIGH VOLTAGE TURN ON TEST	AFTER 12 HOURS IN CHAMBER ON CONTROL 50 °C 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	± 0.002 %/°C (0~50°C)																																																																																																								

6	STORAGE TEMPERATURE TEST	<ol style="list-style-type: none"> <li>1. Thermal shock Temperature : -45°C~ +90°C</li> <li>2. Temperature change rate : 25°C / MIN</li> <li>3. Dwell time low and high temperature : 30 MIN/EACH</li> <li>4. Total test cycle : 5 CYCLE</li> <li>5. Input/Output condition : STATIC</li> </ol>	OK
7	THERMAL SHOCK TEST	<ol style="list-style-type: none"> <li>1. Thermal shock Temperature : -35°C~ +55°C</li> <li>2. Temperature change rate : 25°C / MIN</li> <li>3. Dwell time low and high temperature : 30 MIN/EACH</li> <li>4. Total test cycle : 10 CYCLE</li> <li>5. Input/Output condition :</li> </ol> <p>15cycle:230V/ FULL LOAD AC ON 3sec/AC OFF 1sec TEST(13500 TIMES)</p> <p>1cycle:230V/ FULL LOAD Burn In Test</p>	OK
8	VIBRATION TEST	<p>1 Carton &amp; 1 Set</p> <ol style="list-style-type: none"> <li>(1) Waveform : Sine Wave</li> <li>(2) Frequency : 10~500Hz</li> <li>(3) Sweep Time : 12min/sweep cycle</li> <li>(4) Acceleration : 2G</li> <li>(5) Test Time : 60min in each axis (X.Y.Z)</li> <li>(6) Ta : 25°C</li> </ol>	TEST : OK
9	CAPACITOR LIFE CYCLE	<p>SUPPOSE C101 IS THE MOST CRITICAL COMPONENT</p> <ol style="list-style-type: none"> <li>(1) I/P : 230VAC O/P : FULL LOAD Ta= 25°C LIFE TIME</li> <li>(2) I/P : 230VAC O/P : FULL LOAD Ta= 50°C LIFE TIME</li> <li>(3) I/P : 230VAC O/P : 75% LOAD Ta= 50°C LIFE TIME</li> <li>(4) I/P : 230VAC O/P : 50% LOAD Ta= 50°C LIFE TIME</li> </ol>	<ol style="list-style-type: none"> <li>(1) 2451612HRS</li> <li>(2) 445544HRS</li> <li>(3) 480914HRS</li> <li>(4) 490935HRS</li> </ol>
10	MTBF	<p>Conducted by Parts Stress Analysis Prediction</p> <p>160.9K hrs min. Telcordia SR-332 (Bellcore) ; 42.1K hrs min. MIL-HDBK-217F (25°C)</p>	
11	DMTBF/Accelerated Life Test	<p>Demonstration Mean Time Between Failure (Expected Life): Above 50,000 hours @ TA 50°C</p>	

TEST RESULT	TESTER	REVIEW	APPROVAL
PASS	DANIEL GAO	SANFORD SU	VINCENT TSENG

12.10.30 A50-F031