



Test Report: GST360A55

360W AC-DC High Reliability Industrial Adaptor

■ 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

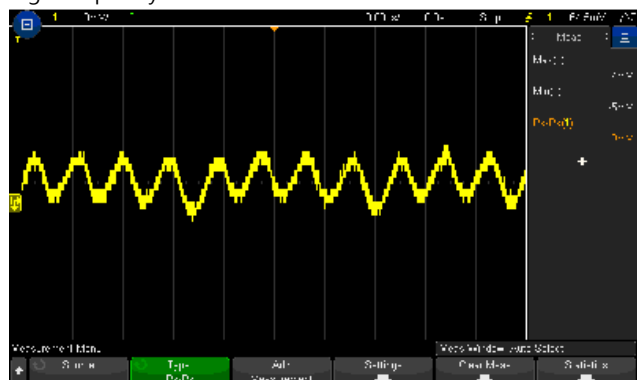
ENVIRONMENT TEST

DESIGN VERIFY TEST

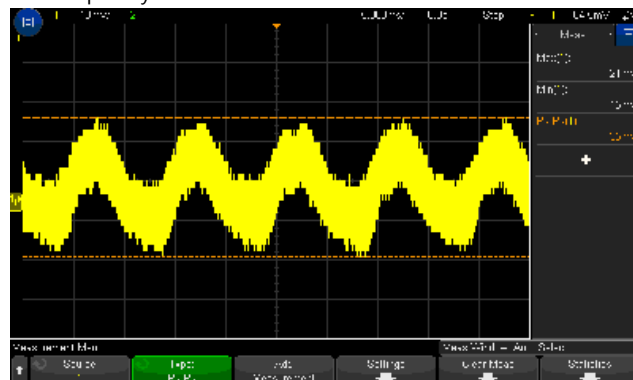
OUTPUT FUNCTION TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	OUTPUT VOLTAGE(Max) TOLERANCE	V1: -2.0%~ +2.0 %	I/P: 85VAC /264VAC O/P:FULL/ MIN. LOAD Ta:25°C	V1: -0.11%~0.11%
2	LINE REGULATION (Max)	V1: -1.0%~ +1.0 %	I/P: 85VAC~ 264VAC O/P:FULL LOAD Ta:25°C	V1: 0.02%~ 0.04%
3	LOAD REGULATION(Max)	V1: -2.0%~ +2.0 %	I/P: 230VAC O/P:FULL ~MIN LOAD Ta:25°C	V1: -0.11%~0.11%
4	OVER/UNDERSHOOT TEST	< +5%	I/P: 230VAC O/P:FULL LOAD Ta:25°C	1.10%
5	RIPPLE & NOISE(Max)	V1: 200mVp-p	I/P:230VAC O/P:FULL LOAD Ta:25°C	V1: 35mVp-p

high frequency :

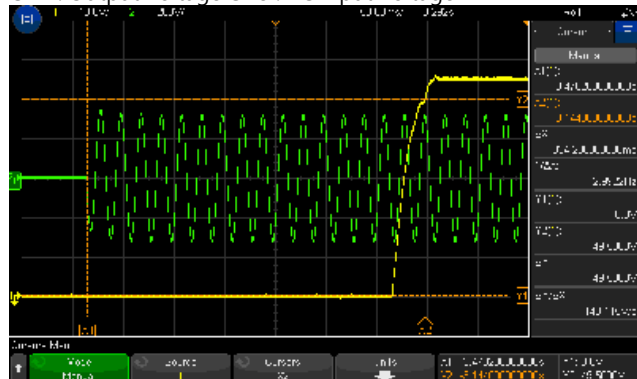


low frequency :

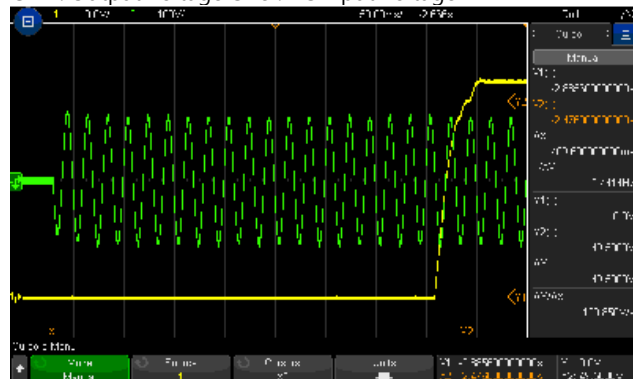


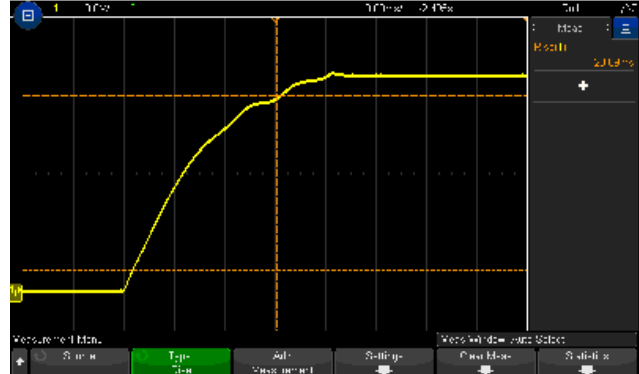
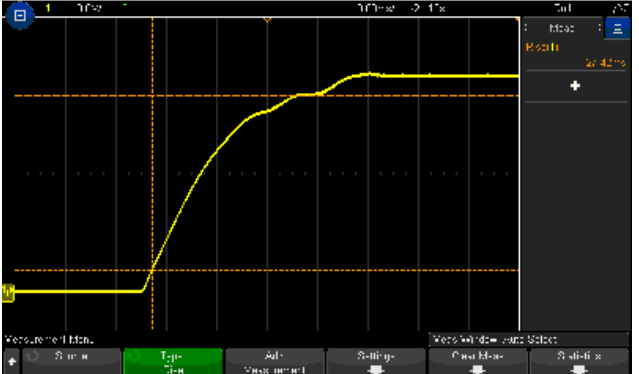
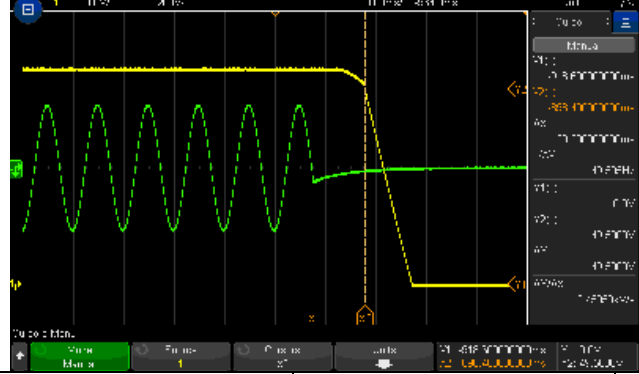
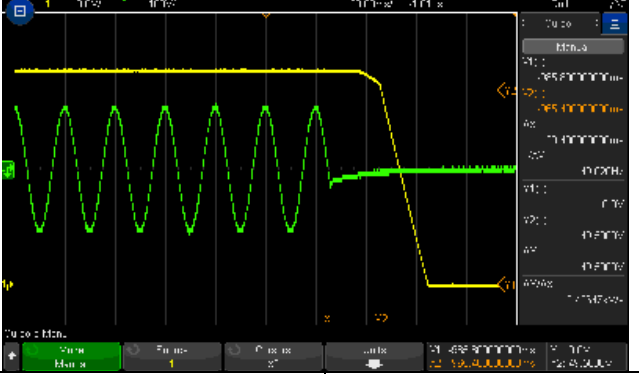
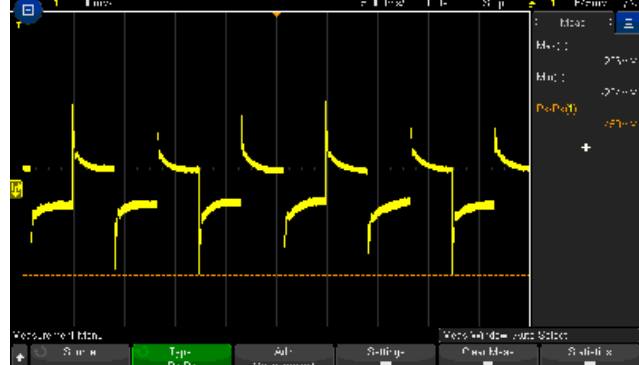
6	SET UP TIME(Max)	230VAC/2000ms 115VAC/2000ms	I/P : 230 VAC I/P : 115 VAC O/P : FULL LOAD Ta : 25°C	230VAC/334.2ms 115VAC/409.6ms
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INPUT=230VAC/50HZ @ FULL LOAD
CH1 : Output Voltage CH3 : AC Input Voltage



INPUT=115VAC/60HZ @ FULL LOAD
CH1 : Output Voltage CH3 : AC Input Voltage



7	RISE TIME (Max)	230VAC/50ms 115VAC/50ms	I/P : 230 VAC I/P : 115 VAC O/P : FULL LOAD Ta : 25°C	230VAC/28.69ms 115VAC/27.42ms
INPUT=230VAC/50HZ @ FULL LOAD CH1 : Output Voltage 		INPUT=115VAC/60HZ @ FULL LOAD CH1 : Output Voltage 		
8	HOLD UP TIME (Typ.)	230VAC/8ms 115VAC/8ms	I/P : 230 VAC I/P : 115 VAC O/P : FULL LOAD Ta : 25°C	230VAC/20.2ms 115VAC/20.4ms
INPUT=230VAC/50HZ @ FULL LOAD CH1 : Output Voltage CH3 : AC Input Voltage 		INPUT=115VAC/60HZ @ FULL LOAD CH1 : Output Voltage CH3 : AC Input Voltage 		
9	DYNAMIC LOAD	V1: 5500mVp-p	I/P: 230VAC O/P: (1)FULL/50%LOAD50%DUTY/120HZ (2)FULL/50%LOAD50%DUTY/1KHZ Ta:25°C	450mVp-p 410mVp-p
FULL /50% LOAD 50%DUTY / 120HZ 		FULL /50% LOAD 50%DUTY / 1KHZ 		



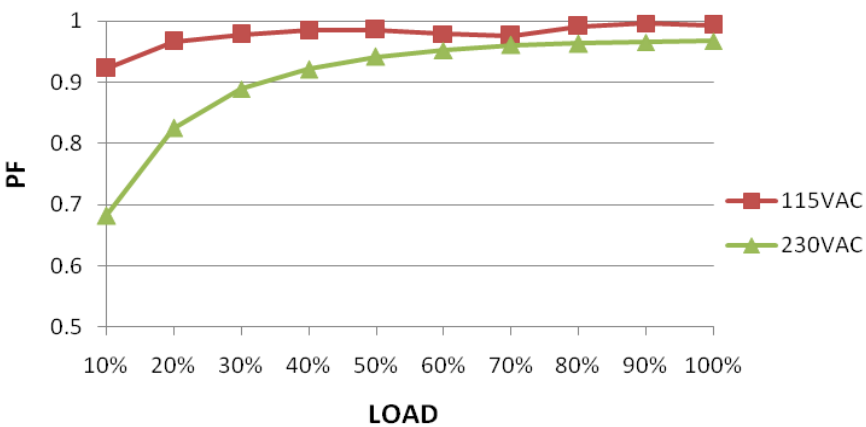
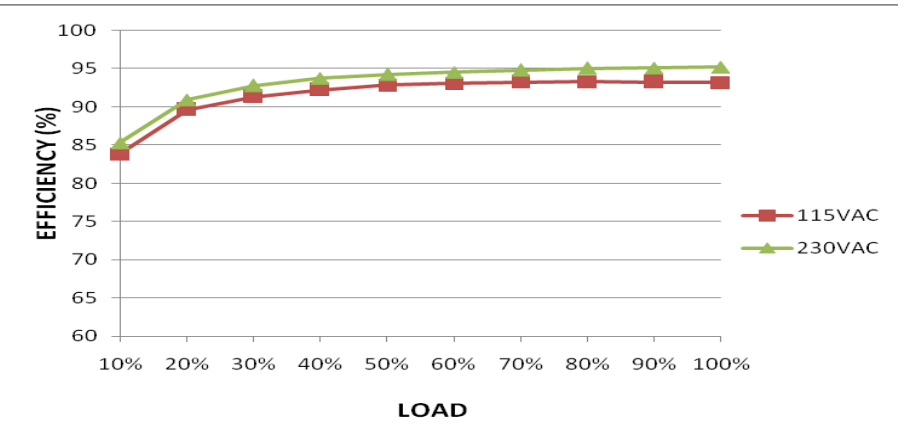
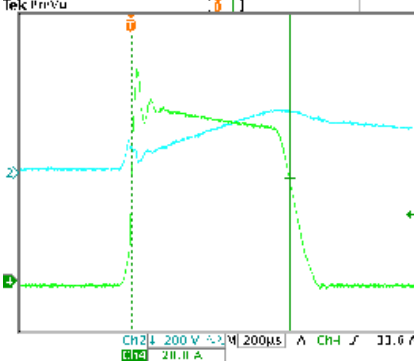
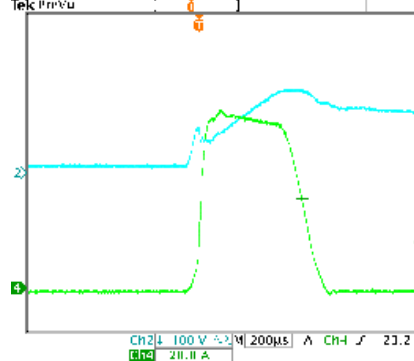
360W AC-DC High Reliability Industrial Adaptor

GST360A series

10	TRANSIENT RECOVERY TIME	V1: 5500mVp-p <500us	I/P: 230VAC O/P:40% LOAD CHANGE 50%DUTY/120HZ 1.25A/us	370mVp-p
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INPUT FUNCTION TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	INPUT VOLTAGE RANGE	85VAC~264VAC 120VDC~ 370VDC	(1) I/P:TESTING O/P:FULL LOAD (2) I/P:DC TESTING(L:+ N:-) O/P: FULL / 50% LOAD (3) I/P:DC TESTING(L:- N:+) O/P: FULL / 50% LOAD Ta:25°C	(1) 76.2V~264V (2)112Vdc~370Vdc/FULL LOAD 112Vdc~370Vdc/50% LOAD (3)112Vdc~370Vdc/FULL LOAD 112Vdc~370Vdc/50% LOAD
			I/P: LOW-LINE-3V=82 V HIGH-LINE+15%=300 V O/P:FULL/MIN LOAD (PLEASE CHECK DERATING CURVE) ON: 30 Sec OFF: 30 Sec 10MIN (POWER ON/OFF NO DAMAGE)	TEST: OK
2	INPUT FREQUENCY RANGE	47HZ ~63 HZ NO DAMAGE	I/P:85VAC ~264 VAC O/P:FULL~MIN LOAD Ta:25°C	TEST: OK
3	INPUT CURRENT (Typ.)	230V/ 2 A 115V/ 3.8 A	I/P : 230 VAC I/P : 115 VAC O/P : FULL LOAD Ta : 25°C	I =1.69A/ 230VAC I =3.37A/ 115VAC
4	LEAKAGE CURRENT	< 1.5mA / 240 VAC	I/P : 240 VAC O/P : Min LOAD Ta : 25°C	0.761 mA
5	NO LOAD CONSUMPTION	< 0.5W	I/P : 230VAC O/P : NO LOAD Ta : 25°C	0.42403W
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=0.9666/230VAC PF=0.9914/115VAC
	P.F vs LOAD			

				
7	EFFICIENCY(Typ.)	95%	I/P:230 VAC O/P:FULL LOAD Ta:25°C	95.29%
	EFFICIENCY vs LOAD 			
8	INRUSH CURRENT(Typ.)	230V/120A 115V/95A COLD START	I/P : 230 VAC I/P : 115 VAC O/P : FULL LOAD Ta : 25°C	I =108A/ 230VAC I =90.4A/ 115VAC
	INPUT=230VAC/50HZ @ FULL LOAD CH2 : AC Input Voltage CH4 : Input current  Ch2 200 V 200μs CH4 31.6 A Ch4 Max 108 A 28.00% INPUT=115VAC/ 60HZ @ FULL LOAD CH2 : AC Input Voltage CH4 : Input current  Ch2 100 V 200μs CH4 21.2 A Ch4 Max 90.4 A 43.40%			

PROTECTION FUNCTION TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	OVER LOAD PROTECTION	135%~150 % Protection type : Shut down o/p voltage, re-power on to recover	I/P: 264VAC I/P: 230VAC I/P: 100VAC O/P: TESTING Ta:25°C	142.29%/ 264VAC 142.14%/ 230VAC 142.14%/100VAC Protection type : shut down o/p Voltage, re-power on to recover
2	OVER VOLTAGE PROTECTION	105% ~ 135% rated output voltage (110.25%~128.25%) Protection type : Shut down o/p voltage, re-power on to recover	I/P: 264VAC I/P: 230VAC I/P: 85VAC O/P: MIN LOAD Ta:25°C	58.8V/ 264VAC 58.8V / 230VAC 58.8V / 85VAC Protection type : Shut down o/p voltage, re-power on to recover
3	OVER TEMPERATURE PROTECTION	Protection type : Shut down o/p voltage, re-power on to recover	I/P: 264VAC I/P: 85VAC O/P: FULL LOAD	O.T.P. Active OK Protection type : Shut down o/p voltage, re-power on to recover

COMPONENT STRESS TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	PWM Transistor (D to S) or (C to E) Peak Voltage	Q3/Q4 Rated : 21A/ 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. Ta:25°C	Q3 Q4 VDS: VDS: (1) 439V (1) 451V (2) 451V (2) 455V (3) 435V (3) 447V (4) 443V (4) 447V (5) 439V (5) 443V (6) 439V (6) 447V (7) 468V (7) 459V
2	P.F.C Transistor (D to S) or (C to E) Peak Voltage	Q1/Q2 Rated : 18A/ 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	Q2 Q1 VDS: VDS: (1) 500V (1) 476V (2) 484V (2) 468V (3) 496V (3) 476V (4) 492V (4) 476V (5) 492V (5) 476V (6) 492V (6) 476V (7) 480V (7) 455V

			(6)Dynamic Load 100% Load/ Min. Load 50%Duty/120Hz (7)0%→400% Load. Ta:25°C	
3	P.F.C DIODE	D21 Rated : 8 A/ 600 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/5KHz (4)Dynamic Load 100% Load/ Min. Load 50%Duty/120Hz Ta:25°C	D21 (1) 523V (2) 494V (3) 510V (4) 523V
4	Diode Peak Voltage	Q100/Q112 Rated : 36A/200V Q152/Q154 Rated : 36 A/200V	AC ON/OFF I/P:High-Line +3V =267 V 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)Before burst Mode Ta:25°C	Q112: VDS: (1) 129.3V (2) 136.0V (3) 134.9V (4) 125.2V (5) 124.4V (6) 138.9V (7) 145.3V (8) 125.2V (9) 126.0V Q152 VDS: (1) 124.8V (2) 135.0V (3) 130.4V (4) 122.3V (5) 122.3V (6) 137.6V (7) 143.2V (8) 123.1V (9) 123.1V Q100: VDS: (1) 141.3V (2) 160.0V (3) 138.0V (4) 137.3V (5) 139.7V (6) 138.1V (7) 156.0V (8) 119.6V (9) 139.7V Q154: VDS: (1) 120.0V (2) 119.9V (3) 120.7V (4) 119.1V (5) 119.9V (6) 119.1V (7) 119.1V (8) 119.1V (9) 119.1V
5	Input Capacitor Voltage	C5 Rated: : 220 μ / 400 V	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)395V (2)417V (3)410V (4)396V
6	Control IC Voltage Test	PWM IC U3 Rated 15.3V-20V PFC IC U1 Rated 11V-20V	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.	U3 (1) 15.8V (2) 15.8V (3) 15.8V (4) 16.0V (5) 11.6V U102 (1) 11.80V (2) 11.60V (3) 11.60V (4) 11.60V (5) 11.60V



360W AC-DC High Reliability Industrial Adaptor

GST360A series

		O/P IC U102 Rated 8-24V	(5)NO LOAD (LOW LINE) Ta:25°C	U1 (1) 15.6V (2) 15.2V (3) 15.2V (4) 15.2V (5) 11.0V	
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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: 3KVAC/min I/P-FG :2KVAC/min O/P-FG:0.5KVAC/min	I/P-O/P: 3.6 KVAC/min I/P-FG: 2.4 KVAC/min O/P-FG:0.6 KVAC/min Ta:25°C	I/P-O/P:3.88mA I/P-FG:3.59mA O/P-FG:3.06m 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: 600 VDC I/P-FG: 600 VDC O/P-FG: 600 VDC Ta:25°C	I/P-O/P: 9999MΩ I/P-FG: 9999MΩ O/P-FG: 9999MΩ NO DAMAGE

E.M.C TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	HARMONIC	BS EN/EN61000-3-2 GB9254	I/P:230VAC/50HZ O/P:FULL LOAD Ta:25°C	CLASS A
2	CONDUCTION	BS EN/EN55032(CISPR32),FCC PART 15 / CISPR22 ,CNS13438,GB17625.1 EAC TP TC 020,MSIP KN32	I/P : 230 VAC (50HZ)/120 VAC (60HZ) O/P : FULL/50% LOAD Ta : 25°C	CLASS B
3	RADIATION	BS EN/EN55032(CISPR32),FCC PART 15 / CISPR22 ,CNS13438,GB17625.1 EAC TP TC 020,MSIP KN32	I/P : 230 VAC (50HZ)/120 VAC (60HZ) O/P : FULL LOAD/50% LOAD Ta : 25°C	CLASS B
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 : 1KV	I/P : 230 VAC/50HZ O/P : FULL LOAD Ta : 25°C	CRITERIA A
6	SURGE	BS EN/EN61000-4-5 L-N : 1KV L,N-PE : 2KV	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 : GST360A55 1. ROOM AMBIENT BURN-IN : 2 HRS I/P : 230VAC O/P : FULL LOAD Ta= 27.4 °C 2. HIGH AMBIENT BURN-IN : 2HRS I/P : 230VAC O/P : FULL LOAD Ta= 42.7 °C																																																																																																																																						
		<table><tr><th>NO</th><th>Position</th><th>ROOM AMBIENT Ta= 27.4°C</th><th>HIGH AMBIENT Ta= 42.7 °C</th></tr><tr><td>1</td><td>LF1</td><td>64.6°C</td><td>76.8°C</td></tr><tr><td>2</td><td>ZR1</td><td>64.5°C</td><td>76.8°C</td></tr><tr><td>3</td><td>Q2</td><td>68.7°C</td><td>80.8°C</td></tr><tr><td>4</td><td>C1</td><td>64.3°C</td><td>76.7°C</td></tr><tr><td>5</td><td>L3</td><td>67.2°C</td><td>79.5°C</td></tr><tr><td>6</td><td>BD2</td><td>67.3°C</td><td>79.6°C</td></tr><tr><td>7</td><td>LF3</td><td>66.1°C</td><td>78.5°C</td></tr><tr><td>8</td><td>C10</td><td>67.3°C</td><td>79.5°C</td></tr><tr><td>9</td><td>L2</td><td>66.7°C</td><td>78.8°C</td></tr><tr><td>10</td><td>BD1</td><td>67.8°C</td><td>79.9°C</td></tr><tr><td>11</td><td>Q1</td><td>69.2°C</td><td>81.3°C</td></tr><tr><td>12</td><td>U1</td><td>68.9°C</td><td>81.0°C</td></tr><tr><td>13</td><td>U3</td><td>68.9°C</td><td>81.0°C</td></tr><tr><td>14</td><td>C41</td><td>68.3°C</td><td>80.1°C</td></tr><tr><td>15</td><td>C5</td><td>68.3°C</td><td>80.3°C</td></tr><tr><td>16</td><td>T1coil</td><td>72.0°C</td><td>83.7°C</td></tr><tr><td>18</td><td>T1core</td><td>69.0°C</td><td>80.5°C</td></tr><tr><td>19</td><td>LF100</td><td>61.6°C</td><td>74.0°C</td></tr><tr><td>20</td><td>C105</td><td>64.1°C</td><td>76.2°C</td></tr><tr><td>21</td><td>L4</td><td>69.9°C</td><td>82.0°C</td></tr><tr><td>23</td><td>T2 coil</td><td>72.0°C</td><td>83.6°C</td></tr><tr><td>24</td><td>T2 core</td><td>71.7°C</td><td>83.1°C</td></tr><tr><td>25</td><td>Q3</td><td>72.1°C</td><td>84.8°C</td></tr><tr><td>26</td><td>Q112</td><td>66.3°C</td><td>78.5°C</td></tr><tr><td>27</td><td>Q152</td><td>65.8°C</td><td>78.1°C</td></tr><tr><td>28</td><td>D20</td><td>69.8°C</td><td>81.8°C</td></tr><tr><td>29</td><td>RTH2</td><td>68.0°C</td><td>80.1°C</td></tr><tr><td>31</td><td>U101</td><td>67.3°C</td><td>79.3°C</td></tr><tr><td>32</td><td>Q100</td><td>66.5°C</td><td>78.7°C</td></tr><tr><td>33</td><td>U5</td><td>66.5°C</td><td>78.4°C</td></tr><tr><td>36</td><td>C102</td><td>63.9°C</td><td>76.0°C</td></tr><tr><td>37</td><td>C114</td><td>67.2°C</td><td>79.2°C</td></tr></table>			NO	Position	ROOM AMBIENT Ta= 27.4°C	HIGH AMBIENT Ta= 42.7 °C	1	LF1	64.6°C	76.8°C	2	ZR1	64.5°C	76.8°C	3	Q2	68.7°C	80.8°C	4	C1	64.3°C	76.7°C	5	L3	67.2°C	79.5°C	6	BD2	67.3°C	79.6°C	7	LF3	66.1°C	78.5°C	8	C10	67.3°C	79.5°C	9	L2	66.7°C	78.8°C	10	BD1	67.8°C	79.9°C	11	Q1	69.2°C	81.3°C	12	U1	68.9°C	81.0°C	13	U3	68.9°C	81.0°C	14	C41	68.3°C	80.1°C	15	C5	68.3°C	80.3°C	16	T1coil	72.0°C	83.7°C	18	T1core	69.0°C	80.5°C	19	LF100	61.6°C	74.0°C	20	C105	64.1°C	76.2°C	21	L4	69.9°C	82.0°C	23	T2 coil	72.0°C	83.6°C	24	T2 core	71.7°C	83.1°C	25	Q3	72.1°C	84.8°C	26	Q112	66.3°C	78.5°C	27	Q152	65.8°C	78.1°C	28	D20	69.8°C	81.8°C	29	RTH2	68.0°C	80.1°C	31	U101	67.3°C	79.3°C	32	Q100	66.5°C	78.7°C	33	U5	66.5°C	78.4°C	36	C102	63.9°C	76.0°C	37	C114	67.2°C	79.2°C
NO	Position	ROOM AMBIENT Ta= 27.4°C	HIGH AMBIENT Ta= 42.7 °C																																																																																																																																					
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12	U1	68.9°C	81.0°C																																																																																																																																					
13	U3	68.9°C	81.0°C																																																																																																																																					
14	C41	68.3°C	80.1°C																																																																																																																																					
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18	T1core	69.0°C	80.5°C																																																																																																																																					
19	LF100	61.6°C	74.0°C																																																																																																																																					
20	C105	64.1°C	76.2°C																																																																																																																																					
21	L4	69.9°C	82.0°C																																																																																																																																					
23	T2 coil	72.0°C	83.6°C																																																																																																																																					
24	T2 core	71.7°C	83.1°C																																																																																																																																					
25	Q3	72.1°C	84.8°C																																																																																																																																					
26	Q112	66.3°C	78.5°C																																																																																																																																					
27	Q152	65.8°C	78.1°C																																																																																																																																					
28	D20	69.8°C	81.8°C																																																																																																																																					
29	RTH2	68.0°C	80.1°C																																																																																																																																					
31	U101	67.3°C	79.3°C																																																																																																																																					
32	Q100	66.5°C	78.7°C																																																																																																																																					
33	U5	66.5°C	78.4°C																																																																																																																																					
36	C102	63.9°C	76.0°C																																																																																																																																					
37	C114	67.2°C	79.2°C																																																																																																																																					



360W AC-DC High Reliability Industrial Adaptor

GST360A series

2	OVER LOAD BURN-IN TEST	NO DAMAGE 1 HOUR (MIN)	I/P : 230 VAC O/P : 141%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 40°C/95 %R.H NO DAMAGE	I/P : 272 VAC O/P : FULL LOAD Ta= 40.2°C HUMIDITY= 95 %R.H	TEST : OK
5	TEMPERATURE COEFFICIENT	$\pm 0.03\%/^{\circ}\text{C}(0\sim 40^{\circ}\text{C})$	I/P : 230 VAC O/P : FULL LOAD	$\pm 0.0068\%/^{\circ}\text{C}(0\sim 40^{\circ}\text{C})$
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	-30~40°C	1. Thermal shock Temperature : -35°C~ +45°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 C105 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= 40 °C LIFE TIME (3) I/P: 230VAC O/P: 75% LOAD Ta= 40 °C LIFE TIME (4) I/P: 230VAC O/P: 50% LOAD Ta= 40 °C LIFE TIME		(1) 242467HRS (2) 107013.2HRS (3) 158557.6HRS (4) 294400.2HRS
10	MTBF	Conducted by Parts Stress Analysis Prediction 2068.5K hrs min. Telcordia SR-332 (Bellcore) ; 269K hrs min. MIL-HDBK-217F (25°C)		
11	Ongoing Reliability Test	I/P : 230VAC O/P : 80% LOAD TA=50°C Demonstration Mean Time Between Failure : 30,000 hours		

TEST RESULT	TESTER	REVIEW	APPROVAL
PASS	Liutt		Wangdz

2020.10.1 TAG-QA-009