



Test Report: XTR-480-48

480W AC/DC Three-Phase Input Ultra Slim Industrial DIN Rail Power

■ 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

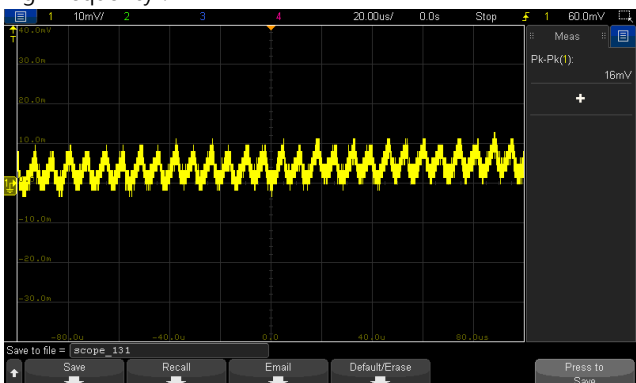
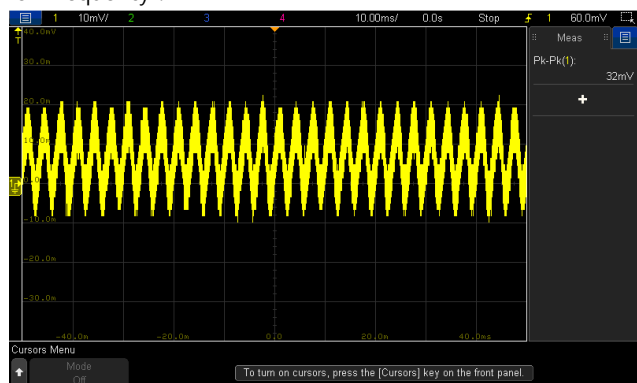
E.M.C. Test

■ RELIABILITY TEST

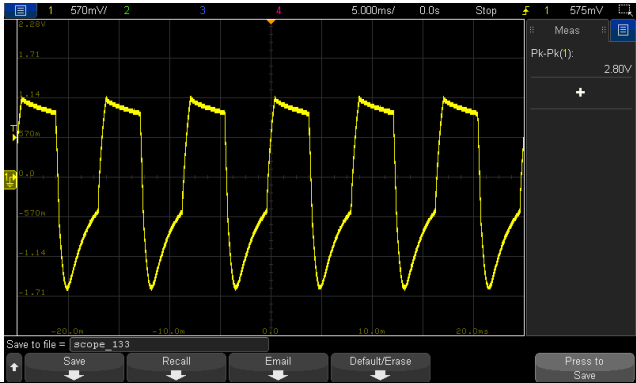
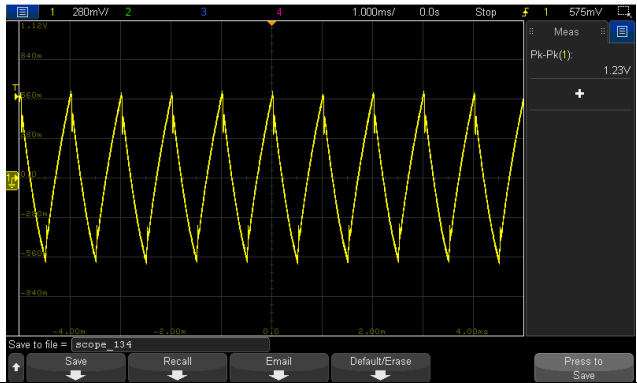
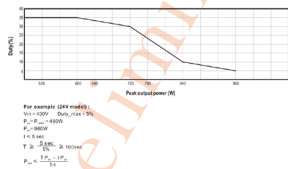
ENVIRONMENT TEST

■ DESIGN VERIFY TEST

OUTPUT FUNCTION TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	OUTPUT VOLTAGE ADJUST RANGE	CH1: 48V~55V	I/P : 400 VAC I/P : 500 VAC O/P : MIN LOAD Ta : 25°C	45.929V~56.72V/400VAC 45.929V~56.72V/500VAC
2	OUTPUT VOLTAGE TOLERANCE	V1: -1% ~ +1%	I/P: 320VAC ~ 600VAC O/P: FULL / MIN. LOAD Ta: 25°C	V1: -0.07% ~ 0.07%
3	LINE REGULATION	V1: -0.5% ~ +0.5%	I/P: 320VAC ~ 600VAC O/P: FULL LOAD Ta: 25°C	V1: 0% ~ 0.01%
4	LOAD REGULATION	V1: -1% ~ +1%	I/P: 400VAC O/P: FULL ~ MIN LOAD Ta: 25°C	V1: -0.07% ~ 0.07%
5	OVER/UNDERSHOOT TEST	<±5%	I/P: 400VAC O/P: FULL LOAD/NO LOAD Ta: 25°C	-1.89% → FULL LOAD 2.68% → NO LOAD -3.37% → PEAK LOAD
6	RIPPLE & NOISE (Max)	V1: 150mVp-p	I/P: 400VAC O/P: FULL LOAD Ta: 25°C	16mVp-p / high frequency 32mVp-p / low frequency
high frequency :  low frequency : 				
7	SET UP TIME (Max)	400VAC/800ms 500VAC/600ms	I/P : 400 VAC I/P : 500 VAC O/P : FULL LOAD Ta : 25°C	95.6ms/400VAC 83.0ms/500VAC
INPUT=400VAC/50HZ @ FULL LOAD CH1: Output Voltage CH3: AC Input Voltage			INPUT=500VAC/60HZ @ FULL LOAD CH1: Output Voltage CH3: AC Input Voltage	

8	RISE TIME (Max) 400VAC/60ms 500VAC/60ms	I/P : 400 VAC I/P : 500 VAC O/P : FULL LOAD Ta : 25°C	29.34ms/400VAC 26.73ms/500VAC	
	INPUT=400VAC/50HZ @ FULL LOAD CH1: Output Voltage 		INPUT=500VAC/60HZ @ FULL LOAD CH1: Output Voltage 	
9	HOLD UP TIME (Typ.) 400VAC/20ms 500VAC/20ms	I/P : 400 VAC I/P : 500 VAC O/P : FULL LOAD Ta : 25°C	31.0ms/400VAC 29.4ms/500VAC	
	INPUT=400VAC/50HZ @ FULL LOAD CH1: Output Voltage CH3: AC Input Voltage 		INPUT=500VAC/60HZ @ FULL LOAD CH1: Output Voltage CH3: AC Input Voltage 	
10	DYNAMIC LOAD V1: 4800mVp-p	I/P: 400VAC O/P: (1) FULL / MIN LOAD 50%DUTY / 120HZ (2) FULL / MIN LOAD 50%DUTY / 1KHZ	2800mVp-p 1230mVp-p	

			Ta:25°C	
	FULL / MIN LOAD 50%DUTY / 120HZ 		FULL / MIN LOAD 50%DUTY / 1KHZ 	
11	TRANSIENT RECOVERY TIME	V1: 4800mVp-p <500us	I/P: 400VAC O/P:40% LOAD CHANGE 50%DUTY/120HZ 1.25A/us	1310mVp-p
12	PEAK LOAD 开机&循环	1) PEAK LOAD@5S 2) PEAK LOAD 循环  For example (24V model): V_{in}=240V, Duty ratio=100% P_o=P_{max}=480W P_r=480W T=5ms T_{on}=5ms, T_{off}=10min P_o=1.25A/us P_o<480W	I/P: 600VAC I/P: 400VAC I/P: 320VAC O/P: PEAK LOAD	TEST : I/P: 600VAC <u>OK</u> I/P: 400VAC <u>OK</u> I/P: 320VAC <u>OK</u>

INPUT FUNCTION TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	INPUT VOLTAGE RANGE	Three-Phase 320VAC~600VAC (Dual phase operation possible) 450VDC~800VDC/ FULL LOAD	(1) I/P: TESTING O/P: FULL LOAD Dual phase DC Input : (2) I/P: DC TESTING (任意两相) O/P: FULL LOAD Ta:25°C	(1) 276Vac~600Vac/ FULL LOAD Dual phase DC Input : (2) 420Vdc~800Vdc/FULL LOAD
			I/P: HIGH-LINE+10V=610 V O/P:FULL/MIN LOAD (PLEASE CHECK DERATING CURVE) ON: 30 Sec OFF: 30 Sec 10MIN (POWER ON/OFF NO DAMAGE)	TEST: OK
			Dual phase operation: I/P: TESTING O/P: FULL LOAD /90% LOAD /85% LOAD/80% LOAD	335Vac~600Vac/ FULL LOAD 325Vac~600Vac/ 90% LOAD 325Vac~600Vac/ 85% LOAD 325Vac~600Vac/ 80% LOAD
2	INPUT FREQUENCY RANGE	47HZ ~63 HZ NO DAMAGE	I/P: 320VAC~ 600VAC O/P:FULL~MIN LOAD Ta:25°C	TEST: OK

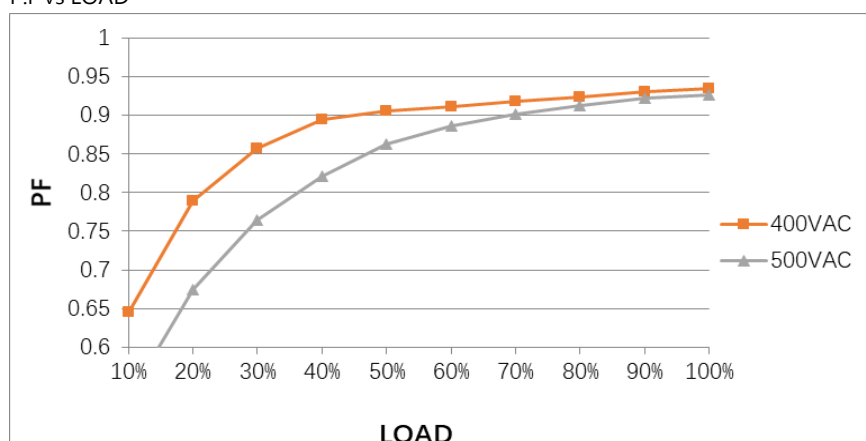


480W AC/DC Three-Phase Input Ultra Slim Industrial DIN Rail Power

XTR-480 series

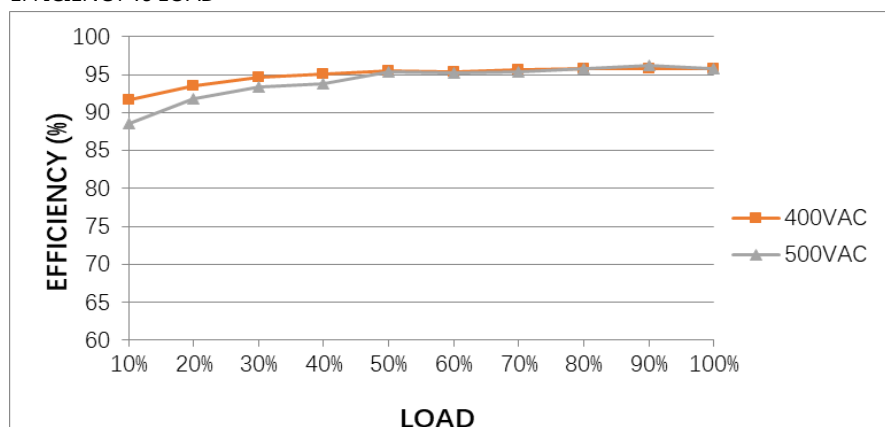
3	INPUT CURRENT (Typ.)	400V/ 0.85 A 500V/ 0.7 A	I/P : 400 VAC I/P : 500 VAC O/P : FULL LOAD Ta : 25°C	TEST:		
					400VAC	500VAC
				L1	0.775A	0.625A
				L2	0.775A	0.625A
L3	0.776A	0.625A				
4	LEAKAGE CURRENT	< 3.5mA / 530 VAC	I/P : 530 VAC O/P : Min LOAD Ta : 25°C	L1,L2,L3-FG : 1.48mA(Peak)→62368		
5	NO LOAD CONSUMPTION	Remote Power OFF: 3.1W/400Vac Remote Power ON: 5.0W/400Vac	I/P : 400 VAC O/P : NO LOAD Ta : 25°C	2.191W/400Vac→ RC OFF 4.463W/400Vac→ RC ON		
6	POWER FACTOR (Typ.)	PF=0.92 /400VAC PF=0.88 /500VAC	I/P : 400 VAC I/P : 500 VAC O/P : FULL LOAD Ta : 25°C	TEST:		
					400VAC	500VAC
				L1	0.9338	0.9271
				L2	0.9339	0.9272
L3	0.9339	0.9271				

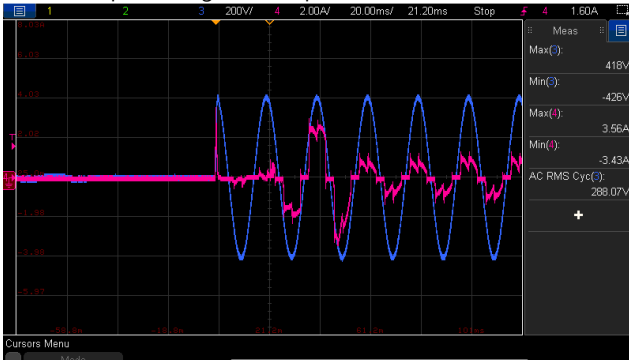
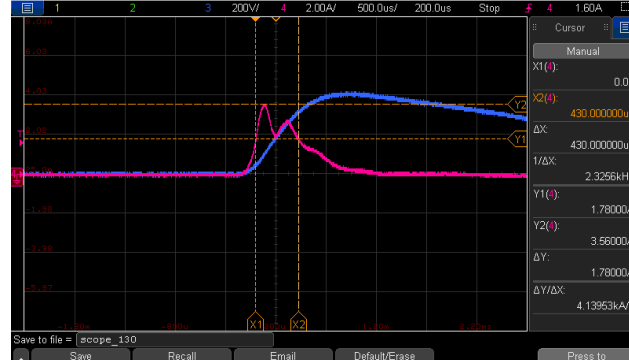
P.F vs LOAD



7	EFFICIENCY(Typ.)	95.5%	I/P: 400 VAC O/P:FULL LOAD Ta:25°C	95.55%
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EFFICIENCY vs LOAD



8	INRUSH CURRENT(Typ.)	500V/10A COLD START	I/P : 500 VAC O/P : FULL LOAD/PEAK LOAD Ta : 25°C	I =3.56A/ 500VAC@ FULL LOAD T50=430us/500V@ FULL LOAD
INPUT=500VAC/50HZ @ FULL LOAD CH3: AC Input Voltage CH4: Input current  				

PROTECTION FUNCTION TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	OVER LOAD PROTECTION	105%~ 200% rated power Protection type: Normally works within 105 ~ 200% rated output power for more than 5 seconds then constant current limiting without shut down at rate current when Vo=30%~100% Hiccup mode when Vo<30% rate voltage	I/P: 600VAC I/P: 400VAC I/P: 320VAC O/P:TESTING Ta:25°C	113.0%/600VAC 113.2%/400VAC 113.3%/320VAC Normally works within 105 ~ 200% rated output power for more than 5 seconds then constant current limiting without shut down at rate current when Vo=30%~100% Hiccup mode when Vo < 30% rate voltage
2	OVER VOLTAGE PROTECTION	56V~65V Protection type: Shut down o/p voltage, re-power on to recover	I/P: 600VAC I/P: 320VAC O/P:MIN LOAD Ta:25°C	61.2V/ 600VAC 61.2V/ 320VAC Protection type: Shut down o/p voltage, re-power on to recover
3	OVER TEMPERATURE PROTECTION	Protection type: Shut down o/p voltage or hiccup mode, recovers automatically after temperature goes down	I/P: 600VAC I/P: 320VAC O/P:FULL LOAD	TEST: <u>OK</u>
4	SHORT PROTECTION	SHORT EVERY OUTPUT 1 HOUR NO DAMAGE Protection type: Hiccup mode when Vo<30% rated voltage	I/P: 600VAC I/P: 320VAC O/P: FULL LOAD Ta:25°C	NO DAMAGE Protection type: Hiccup mode when Vo<30% rated voltage

CONTROL FUNCTION TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	DC OK CONTACT RATINGS	30VDC/1A , 30VAC/0.5A RESISTIVE LOAD	I/P:400VAC O/P:FULL LOAD Ta:25°C	TEST: <u>OK</u>
2	REMOTE CONTROL	Power ON: RC+ ~ RC- open or keep 2~5Vdc Power OFF: RC+ ~ RC- short or keep<0.5Vdc	I/P:400VAC O/P:FULL LOAD Ta:25°C	PS-ON = <u>1.95</u> V Power ON PS-ON = <u>1.7</u> V Power OFF
3	PARALLEL	Up to 1920W (3+1), please refer to Function Manual for more details	I/P: TESTING O/P: TESTING 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	Q1/Q2 : Rated: 600 V/24A	AC ON/OFF I/P: High-Line +3V =603V 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	Q1 VDS: (1) 507V (2) 539V (3) 503V (4) 499V (5) 503V (6) 491V (7) 506V (8) 527V Q2 VDS: (1) 483V (2) 479V (3) 479V (4) 475V (5) 479V (6) 475V (7) 487V (8) 483V
2	P.F.C Transistor (D to S) or (C to E) Peak Voltage	Q909/910 : Rated: 1200V/17A	AC ON/OFF I/P: High-Line +3V =603V 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/	Q909 VDS: (1) 548V (2) 508V (3) 524V (4) 554V (5) 532V (6) 524V (7) 500V (8) 508V Q910 VDS: (1) 958V (2) 891V (3) 883V (4) 931V (5) 875V (6) 907V (7) 834V (8) 842V

			Min. Load 50%Duty/120Hz (7)0%→400% Load. (8) Peak Load Ta:25°C	
3	P.F.C DIODE	D34 : Rated: 10 A/ 1200 V	I/P: High-Line +3V =603 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) 990V (2) 888V (3) 993V (4) 1009V (5) 1009V
4	Diode Peak Voltage	Q102/Q104: Rated: 74A/200V	AC ON/OFF I/P: High-Line +3V =603 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 脫離前 (10) Peak Load <u>VO=Vnormal</u> O/P: (1) Full Load Ta:25°C	Q102: <u>VO=Vomax</u> VDS: (1) 138.2V (2) 137.2V (3) 141.1V (4) 141.1V (5) 141.1V (6) 140.1V (7) 159.7V (8) 131.7V (9) 134.6V (10) 150.0V <u>VO=Vnormal</u> (1) 128.5V Q104: <u>VO=Vomax</u> VDS: (1) 140.4V (2) 141.4V (3) 145.2V (4) 144.3V (5) 143.3V (6) 143.3V (7) 166V (8) 130.5V (9) 135.8V (10) 151V <u>VO=Vnormal</u> (1) 138V
5	Input Capacitor Voltage	C5 : Rated: 150u/450V	I/P: High-Line +3V =603V 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) 430V (2) 427V (3) 425V (4) 409V (5) 425V (6) 411V
6	Control IC Voltage Test	PWM IC U4: Rated :8.9~15.5V PFC IC U2:	AC ON/OFF I/P: High-Line +3V =603 V O/P: (1) Full Load (2) Output Short	U4 (1) 12.23V (2) 12.23V (3) 12.15V



480W AC/DC Three-Phase Input Ultra Slim Industrial DIN Rail Power

XTR-480 series

		Rated:11.4~20V IC U1 : Rated : VDDI to GNDI :3V~ 18V VDDA to GNDA, VDDB to GNDB: 7V~ 25V O/P IC U101 : Rated : 4.75V~38V IC U105 : Rated:3 V~30 V IC U103 : Rated :3.3V~36V IC U102: Rated:3V~ 32 V	(3) O.L.P (4) O.V.P. (5) No Load VR min (Low Line) Ta:25°C	(4) 12.23V (5) 11.74V U2/U1 (1) 17.7V (2) 17.2V (3) 17.9V (4) 18.1V (5) 17.5V U101/ U103/U105 (1) 17.4V (2) 16.4V (3) 17.5V (4) 18.2V (5) 15.0V U102 (1) 9.69V (2) 10.01V (3) 10.41V (4) 8.80V (5) 9.05V
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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: 4.87KVAC/min I/P-FG :2.5KVAC/min O/P-FG:0.5KVAC/min O/P-DC OK: 0.5KVAC/min	I/P-O/P: 5.357KVAC/min I/P-FG: 3 KVAC/min O/P-FG:0.6 KVAC/min O/P-DC OK: 0.6 KVAC/min Ta:25°C	I/P-O/P: 8.93mA I/P-FG: 9.72mA O/P-FG: 4.16 mA O/P-DC OK:0.008mA 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: 50 GΩ O/P-FG: 11015 MΩ NO DAMAGE
3	GROUNDING CONTINUITY	FG(PE) TO CHASSIS OR TRACE < 100mΩ	40A /2min Ta:25°C	8 mΩ

E.M.C TEST

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT
1	HARMONIC	BS EN/EN61000-3-2 ■ CLASS A	I/P:400VAC/50HZ O/P:FULL LOAD Ta:25°C	PASS
2	CONDUCTION	BS EN/EN55032(CISPR32) / BS EN/EN61204-3 / CNS15936 CLASS B	I/P : 400 VAC (50HZ) O/P : FULL/50% LOAD Ta : 25°C	PASS Test by certified Lab
3	RADIATION	BS EN/EN55032(CISPR32) / BS EN/EN61204-3 / CNS15936 CLASS B	I/P : 400 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 : 400 VAC/50HZ O/P : FULL LOAD Ta : 25°C	CRITERIA A
5	E.F.T	BS EN/ EN61000-4-4 INPUT : 4KV	I/P : 400 VAC/50HZ O/P : FULL LOAD Ta : 25°C	CRITERIA A
6	SURGE	BS EN/ EN61000-4-5 Line-Line : 2KV Line-Earth : 4KV	I/P : 400 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 : XTR-480-48 1. ROOM AMBIENT BURN-IN : 2HRS I/P : 400VAC O/P : FULL LOAD Ta= 26.3°C 2. HIGH AMBIENT BURN-IN : 2HRS I/P : 400VAC O/P : FULL LOAD Ta= 59.5°C <table><tr><th>NO</th><th>Position</th><th>ROOM AMBIENT Ta=26.3°C</th><th>HIGH AMBIENT Ta=59.5°C</th></tr><tr><td>1</td><td>C13</td><td>59.2°C</td><td>91.5°C</td></tr><tr><td>2</td><td>J101</td><td>62°C</td><td>95.1°C</td></tr><tr><td>3</td><td>Q1</td><td>64.6°C</td><td>100.9°C</td></tr><tr><td>4</td><td>Q2</td><td>70.8°C</td><td>107.6°C</td></tr><tr><td>5</td><td>C93</td><td>65.4°C</td><td>100.1°C</td></tr></table>			NO	Position	ROOM AMBIENT Ta=26.3°C	HIGH AMBIENT Ta=59.5°C	1	C13	59.2°C	91.5°C	2	J101	62°C	95.1°C	3	Q1	64.6°C	100.9°C	4	Q2	70.8°C	107.6°C	5	C93	65.4°C	100.1°C
NO	Position	ROOM AMBIENT Ta=26.3°C	HIGH AMBIENT Ta=59.5°C																									
1	C13	59.2°C	91.5°C																									
2	J101	62°C	95.1°C																									
3	Q1	64.6°C	100.9°C																									
4	Q2	70.8°C	107.6°C																									
5	C93	65.4°C	100.1°C																									

NO	Position	ROOM AMBIENT Ta=26.3℃	HIGH AMBIENT Ta=59.5℃
6	C67	56.9℃	93.1℃
7	TSW1	45.8℃	81.1℃
8	C109	51.5℃	84.5℃
9	LF100	60.3℃	93.5℃
10	RY100	59.8℃	92.6℃
11	L5	67.9℃	101.3℃
12	U2	72.5℃	102.5℃
13	R954	71.5℃	103.9℃
14	Q13	52.7℃	85.1℃
15	D4	71.7℃	101.7℃
16	D52	60.2℃	92.4℃
17	D8	74.5℃	104℃
18	U4	59.5℃	94.6℃
19	Q104	67.9℃	102.1℃
20	U103	55.5℃	89℃
21	Q102	68℃	102℃
22	U101	65.6℃	99.5℃
23	C28	55.7℃	88.7℃
24	Q910	70.2℃	103.1℃
25	Q909	70.1℃	103℃
26	LF900	69℃	103.7℃
27	U1	70.6℃	102.7℃
28	ZNR6	57.1℃	91.1℃
29	L4	55.8℃	88.7℃
30	C6	45.7℃	80.3℃
31	D34	65.4℃	98.4℃
32	LF4	57.4℃	90.8℃
33	Q110	62.9℃	96.8℃
34	U102	61.8℃	95.2℃
35	Q100	66℃	99.2℃
36	U9	51.1℃	85.3℃
37	Q12	52.7℃	87.5℃
38	Tcoil	53.5℃	117.9℃
39	Tcore	79.2℃	110.7℃
40	C115	61.9℃	96℃
41	C114	59.5℃	93.9℃
42	C104	59.5℃	93.8℃
43	T2	59.4℃	93.4℃
44	RTH3	68.8℃	101.9℃
45	LF1	55.5℃	88.1℃
46	ZNR1	49.5℃	82.2℃
47	L1	57.2℃	90.2℃
48	C1	53.7℃	85.8℃



480W AC/DC Three-Phase Input Ultra Slim
Industrial DIN Rail Power

XTR-480 series

2	OVER LOAD BURN-IN TEST	NO DAMAGE 1 HOUR (MIN)	I/P : 400 VAC O/P : 113%LOAD Ta : 25°C	TEST : OK
3	LOW TEMPERATURE TURN ON TEST	TURN ON AFTER 2 HOUR	I/P : 600VAC/340VAC 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 60°C/95 %R.H NO DAMAGE	I/P : 272 VAC O/P : FULL LOAD Ta= 60°C HUMIDITY= 95 %R.H	TEST : OK
5	TEMPERATURE COEFFICIENT	± 0.03 %/°C(0~60°C)	I/P : 400 VAC O/P : FULL LOAD	± 0.006 %/°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	-40~60°C	1. Thermal shock Temperature : -45°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:400V/ FULL LOAD AC ON 3sec/AC OFF 1sec TEST 1cycle:400V/ 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 C 109 IS THE MOST CRITICAL COMPONENT (1) I/P : 400VAC O/P : FULL LOAD Ta= 25 °C LIFE TIME (2) I/P : 400VAC O/P : FULL LOAD Ta= 60 °C LIFE TIME (3) I/P : 400VAC O/P : 75% LOAD Ta= 60°C LIFE TIME (4) I/P : 400VAC O/P : 50% LOAD Ta= 60°C LIFE TIME		(1) 541144HRS (2) 48498HRS (3) 71665HRS (4) 112476HRS
10	MTBF	Conducted by Parts Stress Analysis Prediction 1267.7K hrs min. Telcordia SR-332 (Bellcore); 167.4K hrs min. MIL-HDBK-217F (25°C)		
11	Ongoing Reliability Test	I/P : 400VAC O/P : FULL LOAD TA=50°C Demonstration Mean Time Between Failure :50,000 hours		

TEST RESULT	TESTER	REVIEW	APPROVAL
PASS	Hanxr	Liutt	Wangzd

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