



Model : A302-600-B2 600W

INPUT:21~30VDC
OUTPUT: 110VAC/60Hz**OUTPUT FUNCTION TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	AC VOLTAGE	110VAC(Typ)	I/P:24VDC O/P:50% LOAD Ta:25°C	115.9VAC	P
2	AC VOLTAGE REGULATION	-10%~+10% (Typ)	I/P:20VDC~30VDC O/P:FULL~MIN. LOAD Ta:25°C	105~117VAC	P
3	AC WAVEFORM	MODEFIED SINE WAVE	I/P:24VDC O/P:50% LOAD Ta:25°C	MODEIFIED SINE WAVE	P
4	AC FREQUENCY	60Hz+/-1%	I/P:24VDC O/P:50% LOAD Ta:25°C	60.1Hz	P
5	CONTINUOUS POWER	600W	I/P:24VDC O/P:FULL LOAD Ta:25°C	OK (3HRS)	P
6	SURGE POWER	1200W (Min.) COLD START	I/P:24VDC O/P:TESTING Ta:25°C	OK	P

INPUT FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	DC VOLTAGE RANGE	21VDC ~ 30VDC (Typ)	I/P: TESTING O/P:MIN LOAD Ta:25°C	19.4~30VDC	P
2	EFFICIENCY	85% (Typ)	I/P:24VDC O/P:FULL LOAD Ta:25°C	87.0%	P
3	NO LOAD CURRENT DRAW	0.35A (Max)	I/P: 24VDC O/P:NO LOAD Ta:25°C	0.19A	P
4	DC INPUT CURRENT	30A (Typ)	I/P:24VDC O/P:FULL LOAD Ta:25°C	26.7A	P

PROTECTION FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	BAT. LOW ALARM	18.2-19.8VDC	I/P:TESTING O/P:50% LOAD Ta:25°C	19.7VDC	P
2	BAT. LOW SHUTDOWN	17.2-18.8VDC	I/P:TESTING O/P:50% LOAD Ta:25°C	18.8VDC RED LED KEEP BRIGHT RESET: RE-POWER ON	P
3	INPUT POLARITY REVERSE	FUSE OPEN	I/P:TESTING O/P:NO LOAD Ta:25°C	FUSE OPEN RESET REPLACEMENT FUSE	P
4	OVER LOAD PROTECTION	>750W	I/P:24VDC O/P:TESTING Ta:25°C	850W SHUT DOWN RED LED SLOWLY SPARK RESET: RE-POWER ON	P
5	OVER VOLTAGE PROTECTION	30-32VDC	I/P:TESTING O/P:NO LOAD Ta:25°C	32.0VDC SHUT DOWN RED LED SPEEDLY SPARK RESET: RE-POWER ON	P
6	OUTPUT SHORT PROTECTION	YES	I/P:24VDC O/P:SHORT Ta:25°C	TEST OK SHUT DOWN RESET: RE-POWER ON	P
7	OVER TEMPERATURE PROTECTION	55°C ~ 65°C	I/P:24VDC O/P:FULL LAOD Ta:25°C	58.7°C CASE (Q21) SHUT DOWN YELLOW LED BRIGHT RESET:RE-POWER ON	P

CONTROL FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	FAN CONTROL	>50% LOAD FAN ON	I/P:24VDC O/P:TESTING Ta:25°C	225W	P

SAFETY TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	ISOLATION RESISTANCE	I/P-O/P:500VDC>100MΩ	I/P-O/P:500VDC Ta:25°C	I/P-O/P:203.3MΩ NO DAMAGE	P

**ENVIRONMENT TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	TEMPERATURE RISE TEST	1. ROOM AMBIENT BURN-IN : 2HR I/P:24.5VDC O/P:600W Ta=26.5°C			P

OTHER

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	CAPACITOR LIFE CYCLE	SUPPOSE "C25" IS THE MOST CRITICAL COMPONENT I/P: 24.5VDC O/P:FULL LOAD Ta=25°C LIFE TIME=106891HRS			P

DATE	SAMPLE	TEST RESULT	TESTER	APPROVAL
2008.10.20	STOCK	PASS	PETER	T.K.CHENG