

**Features :**

- . Low cost, High reliability
- . 105°C output capacitor
- . International AC input range
- . High efficiency, Low working temperature
- . Soft-start circuit, limiting AC surge current
- . Short circuit, overload, battery protected
- . Compact size, Light weight
- . 100% full load burn-in test
- . Built in EMI filter, Low ripple noise

. ISO-9001 certified manufacturer

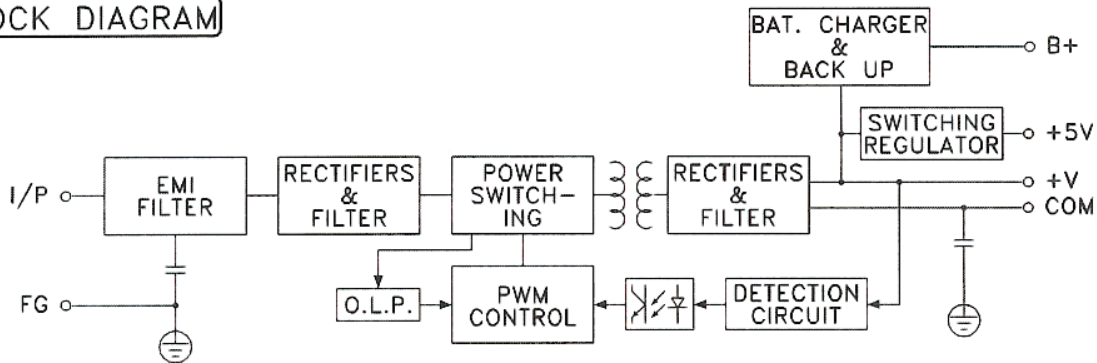
MODEL	ADD-55A			ADD-55B		
SPECIFICATION	CH1	CH2	CH3	CH1	CH2	CH3
DC OUTPUT VOLTAGE	13.8V	5V	13.4V	27.6V	5V	26.5V
OUTPUT V. TOLERANCE	±1%	±3%	-----	±1%	±3%	-----
OUTPUT RATED CURRENT	2.5A	3A	0.23A	1.3A	3A	0.16A
OUTPUT CURRENT RANGE	0-3.5A	0-4A	-----	0-2A	0-4A	-----
RIPPLE & NOISE	100mVp-p	100mVp-p	-----	150mVp-p	150mVp-p	-----
LINE REGULATION	±1%	±0.5%	-----	±1%	±0.5%	-----
LOAD REGULATION	±1%	±0.5%	-----	±1%	±0.5%	-----
DC OUTPUT POWER	52.58W			55.12W		
EFFICIENCY	71%			74%		
DC VOLTAGE ADJ.	CH1:12-14.5V			CH1:24-29V		
INPUT VOLTAGE RANGE	88~264VAC 47~63Hz; 120~370VDC					
AC CURRENT	1.6A/115V 1A/230V					
INRUSH CURRENT	COLD START 20A/115V 40A/230V					
LEAKAGE CURRENT	<1mA/240VAC					
OVERLOAD PROTECTION	105%~150% / 230VAC TYPE:PULSING-HICCUP SHUTDOWN RESET:AUTO RECOVERY					
OVER VOLTAGE PROTECTION	CH1:105%~135% TYPE:PULSE BY PULSE					
DC ALARM SIGNAL(OPTION)	AC FAIL CN1 PIN2 BATTERY LOW UNDER CHARGE VOLTAGE 82.5%±2% CN1 PIN1 NORMAL 0.8V MAX\ABNORMAL 5V±0.5V					
TEMP. COEFFICIENT	±0.03% / °C (0~50°C) ON CH1 OUTPUT					
SETUP, RISE, HOLD UP TIME	1.6s, 50ms, 16ms/115VAC 800ms, 50ms, 60ms / 230VAC					
VIBRATION	10~500Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES					
WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC					
ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:500VDC / 100M Ohms					
WORKING TEMP., HUMIDITY	-10°C~+60°C(REFER TO OUTPUT DERATING CURVE), 20%-90% RH					
STORAGE TEMP., HUMIDITY	-20°C~+85°C, 10%-95% RH					
DIMENSION	159*97*38mm CASE:901					
WEIGHT	0.57Kgs					
SAFETY STANDARDS	MEET IEC950 REQUIREMENT (NOT APPLY FOR THE MARK)					
EMC STANDARDS	MEET CISPR22 (EN55022) CLASS B, EN61000-4-2,3,4,5,6,8,11,EN61000-3-2,-3					
NOTE: 1.ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25° C 70% RH. AMBIENT. 2.TOLERANCE GINCLUDE SET UP TOLERANCE, LINE REGULATION, LOAD REGULATION. 3.RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR. 4.LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD. 5.LOAD REGULATION IS MEASURED FROM 20% TO 100% RATED LOAD, AND OTHER OUTPUT AT 60% RATED LOAD. 6.EACH OUTPUT PROVIDE UP TO MAXIMUM CURRENT, BUT TOTAL LOAD CAN NOT EXCEED MAX. OUTPUT POWER. 7.CH3 Bat. CHARGER VOLTAGE AT NO LOAD, RATED CURRENT AT Bat. V=11V/22V.						

2000-12-07

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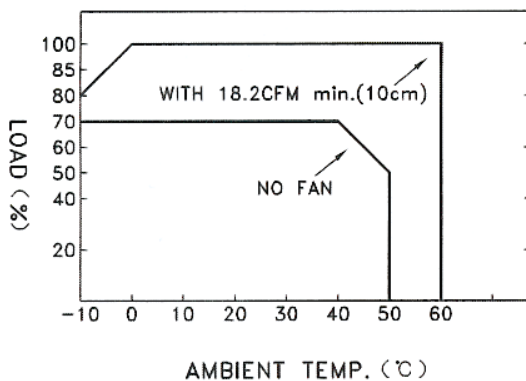


BLOCK DIAGRAM

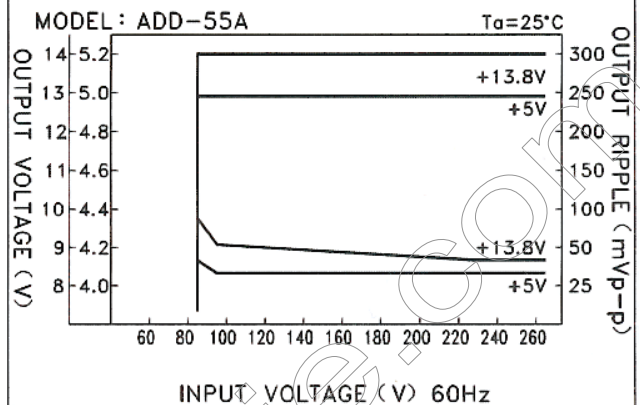


fosc : 45KHz

OUTPUT DERATING



STATIC CHARACTERISTICS



DIMENSION (mm)

- ☒ CASE : 901
- ☒ TERMINAL PIN NO. ASSIGNMENT
 - ☒ PIN 1,2 : AC INPUT
 - ☒ PIN 3 : FG $\perp$
 - ☒ PIN 4 : DC OUTPUT COM
 - ☒ PIN 5 : DC OUTPUT +V
 - ☒ PIN 6 : BAT. +
 - ☒ PIN 7 : BAT. -/COM
 - ☒ PIN 8 : DC/DC OUTPUT +5V

