



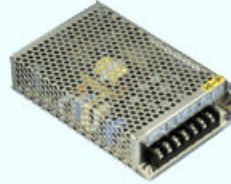
MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

ADS-55 SERIES

- .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



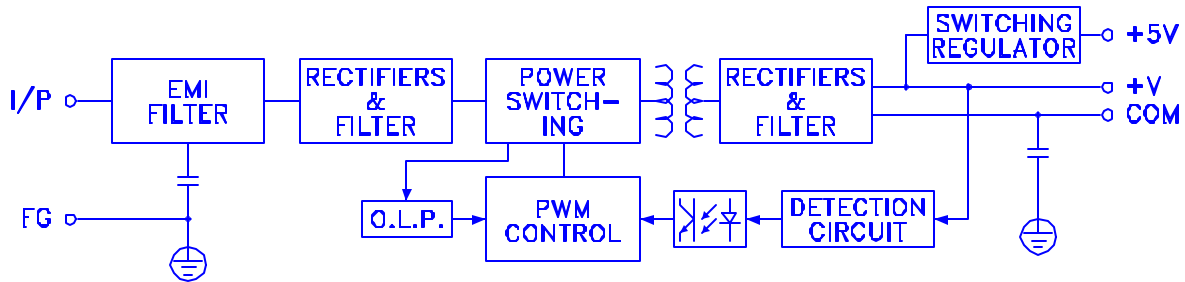
MODEL	ADS-5512		ADS-5524	
	CH1	CH2	CH1	CH2
SPECIFICATION				
DC OUTPUT VOLTAGE	12V	5V	24V	5V
OUTPUT V. TOLERANCE	±1%	±3%	±1%	±3%
OUTPUT RATED CURRENT	3A	3A	2A	2A
OUTPUT CURRENT RANGE	0-4A	0-4A	0-2.5A	0-4A
RIPPLE & NOISE	100mVp-p	100mVp-p	100mVp-p	100mVp-p
LINE REGULATION	±0.5%	±0.5%	±1%	±0.5%
LOAD REGULATION	±0.5%	±0.5%	±1%	±0.5%
DC OUTPUT POWER	51W		58W	
EFFICIENCY	74%		77%	
DC VOLTAGE ADJ.	±10%	FIXED	±10%	FIXED
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	CH1:115%~135% TYPE:PULSE BY PULSE			
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 INCLUDE 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.

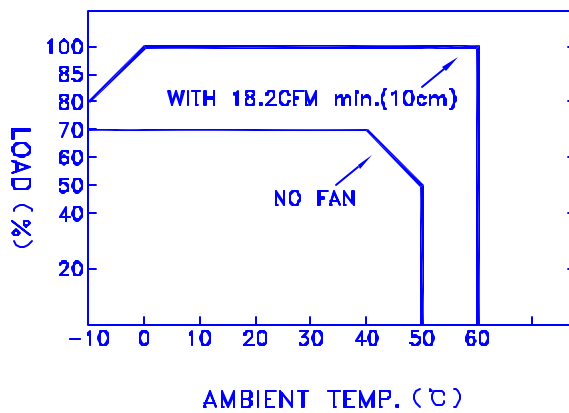
2000-12-07

BLOCK DIAGRAM

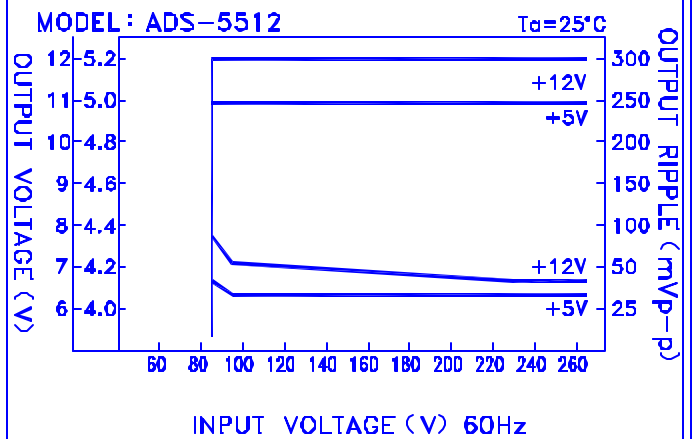


fosc : 45KHz

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 : NC
 - ☒ PIN 7 : DC OUTPUT COM
 - ☒ PIN 8 : DC/DC OUTPUT +5V

