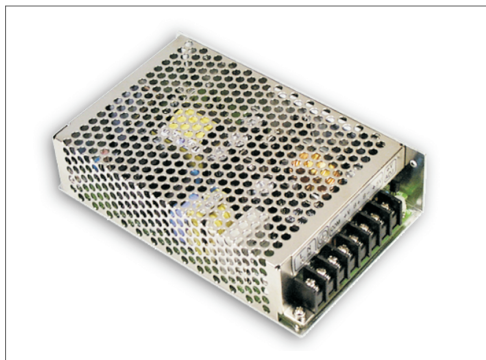


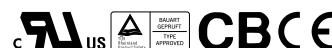


ADS-55 series

55W Single output with 5V,4A DC-DC converter



- Universal AC input / Full range
- Protections: Short circuit/Over load/Over voltage
- Battery low/Battery polarity protections
- Cooling by free air convection
- 100% full load burn-in test
- Fixed switching frequency at 45KHz
- 2 years warranty



SPECIFICATION

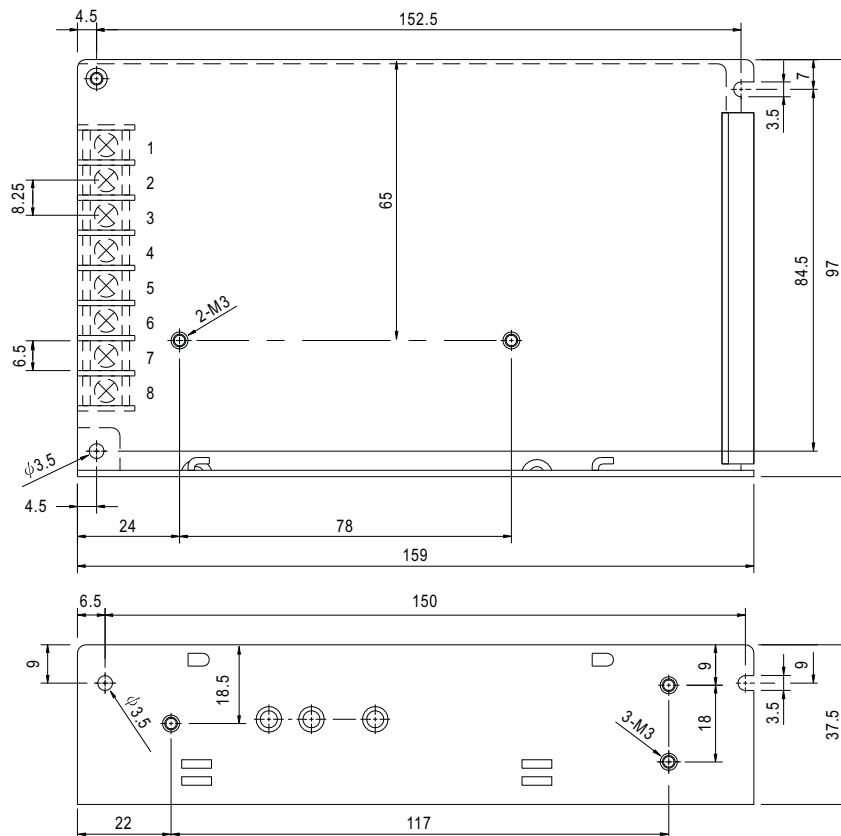
SPECIFICATION					
MODEL		ADS-5512		ADS-5524	
OUTPUT	DC VOLTAGE	12V	5V	24V	5V
	RATED CURRENT	3A	3A	2A	2A
	CURRENT RANGE	0 ~ 4A	0 ~ 4A	0 ~ 2.5A	0 ~ 4A
	RATED POWER	51W		58W	
	RIPPLE & NOISE (max.) Note.2	100mVp-p	100mVp-p	100mVp-p	100mVp-p
	VOLTAGE ADJ. RANGE	CH1:10.8 ~ 13.2V		CH1:21.6 ~ 26.4V	
	VOLTAGE TOLERANCE Note.3	±1.0%	±3.0%	±1.0%	±3.0%
	LINE REGULATION	±0.5%	±0.5%	±1.0%	±0.5%
	LOAD REGULATION	±0.5%	±0.5%	±1.0%	±0.5%
	SETUP, RISE, HOLD TIME	800ms, 50ms, 60ms/230VAC 1.6s, 50ms, 16ms/115VAC at full load			
INPUT	VOLTAGE RANGE	88 ~ 264VAC 124 ~ 370VDC			
	FREQUENCY RANGE	47 ~ 63Hz			
	EFFICIENCY (Typ.)	74%		74%	
	AC CURRENT	1.6A/115VAC 1A/230VAC			
	INRUSH CURRENT (max.)	COLD START 20A/115VAC 40A/230VAC			
	LEAKAGE CURRENT	<1mA / 240VAC			
PROTECTION	OVER LOAD	105 ~ 150% of rate load Protection type : Hiccup mode, recovers automatically after fault condition is removed			
	OVER VOLTAGE	CH1:13.8 ~ 16.2V		CH1:27.6 ~ 32.4V	
		Protection type : Hiccup mode, recovers automatically after fault condition is removed			
ENVIRONMENT	WORKING TEMP., HUMIDITY	-10 ~ +60℃ (Refer to output load derating curve), 20 ~ 90% RH non-condensing			
	STORAGE TEMP., HUMIDITY	-20 ~ +85℃, 10 ~ 95% RH			
	TEMP. COEFFICIENT	±0.03%/℃ (0~50℃) on CH1 output			
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes			
SAFETY & EMC	SAFETY STANDARDS	UL1950 TUV EN60950 Approved			
	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class B			
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3, Class A			
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, Light industry level, criteria A			
	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:100M Ohms/500VDC			
OTHERS	MTBF	276.3K hrs min. MIL-HDBK-217F (25℃)			
	DIMENSION	159*97*38mm (L*W*H)			
	PACKING	0.57Kgs/pcs, 24pcs/13.7Kgs/0.75CUFT			
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation.				



ADS-55 series

Mechanical Specification

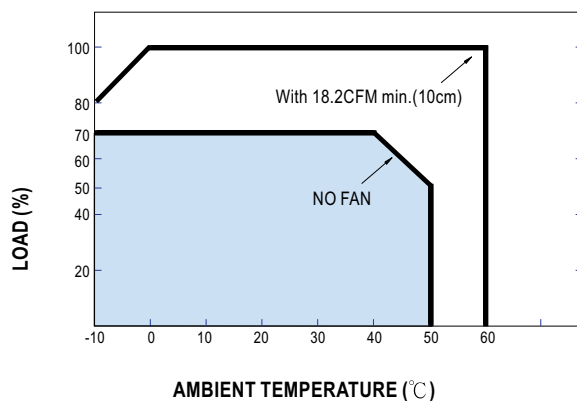
Case No. 901 Unit:mm



Terminal Pin. No Assignment

Pin No.	Assignment	Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4	DC OUTPUT COM	7	DC OUTPUT COM
2	AC/N	5	DC OUTPUT +V	8	DC/DC OUTPUT +5V
3	FG	6	NC		

Derating Curve



Static Characteristics (5512)

