



## Features:

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



## **SPECIFICATION**

MODEL		ADS-5512		ADS-5524		
	OUTPUT NUMBER	CH1	CH2	CH1	CH2	
ОИТРИТ	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 TIME	1400ms, 50ms/230VAC 3300ms, 50ms/115VAC at full load				
	HOLD UP TIME (Typ.)	80ms/230VAC 16ms/115VAC at full load				
INPUT	VOLTAGE RANGE	88 ~ 264VAC 124 ~ 370VDC				
	FREQUENCY RANGE	47 ~ 63Hz				
	EFFICIENCY (Typ.)	76%		79%		
	AC CURRENT (Typ.)	1.6A/115VAC 1A/230VAC				
	INRUSH CURRENT (Typ.)	COLD START 20A/115VAC 40A/230VAC				
	LEAKAGE CURRENT	<1mA/240VAC				
PROTECTION		105 ~ 150% rated output power				
	OVERLOAD	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.	-10 ~ +60°C (Refer to "Derating Curve")				
	WORKING HUMIDITY	20 ~ 90% RH non-condensing				
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH				
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C) on CH1 output				
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes				
	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 approved				
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC				
EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH				
(Note 4)	EMC EMISSION	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3				
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A				
OTHERS	MTBF	276.3K hrs min. MIL-HDBK-217F (25℃)				
	DIMENSION	159*97*38mm (L*W*H)				
	PACKING	0.57Kg; 24pcs/13.7Kg/0.75CU	FT			
NOTE	Ripple & noise are measure     Tolerance : includes set up     The power supply is consid     EMC directives. For guidan	parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.  pple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.  plerance: includes set up tolerance, line regulation and load regulation.  per power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets with different component with the perform these EMC tests, please refer to "EMI testing of component power supplies."  s available on http://www.meanwell.com)				



