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■ Features :

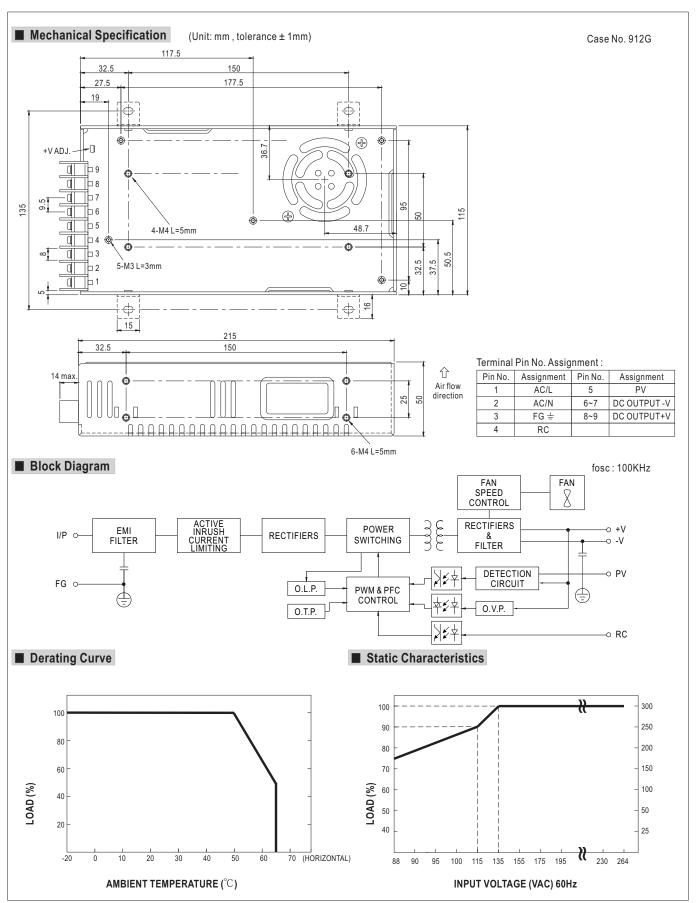
- Universal AC input / Full range
- Built-in active PFC function, PF>0.95
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Forced air cooling by built-in DC Fan
- Output voltage programmable from 20~110% by 1~5.5VDC external control signal
- Built-in remote ON-OFF control
- Built-in fan speed control
- Fixed switching frequency at 100KHz
- 3 years warranty



SPECIFICATION

MODEL		SPV-300-12	SPV-300-24	SPV-300-48	
	DC VOLTAGE	12V	24V	48V	
ОИТРИТ	RATED CURRENT	25A	12.5A	6.25A	
	CURRENT RANGE	0 ~ 25A	0 ~ 12.5A	0 ~ 6.25A	
	RATED POWER	300W	300W	300W	
	RIPPLE & NOISE (max.) Note.2	150mVp-p	150mVp-p	240mVp-p	
	VOLTAGE ADJ. RANGE	10.8 ~ 13.2V	20 ~ 26.4V	41 ~ 52.8V	
	VOLTAGE TOLERANCE Note.3	±1.0%	±1.0%	±1.0%	
	LINE REGULATION	±0.3%	±0.2%	±0.2%	
	LOAD REGULATION	±0.5%	±0.5%	±0.5%	
	SETUP, RISE TIME	800ms, 50ms/230VAC 2500ms, 50ms/115VAC at full load			
	HOLD UP TIME (Typ.)	16ms/230VAC 16ms/115VAC at full load			
INPUT	() ()	88 ~ 264VAC 124 ~ 370VDC			
	FREQUENCY RANGE	47 ~ 63Hz			
	POWER FACTOR (Typ.)	PF>0.95/230VAC			
	EFFICIENCY (Typ.)	83.5%	85%	86.5%	
	AC CURRENT (Typ.)	3.6A/115VAC 1.8A/230VAC	0070	00.070	
	INRUSH CURRENT (Typ.)	20A/115VAC 45A/230VAC			
	LEAKAGE CURRENT	<1mA/240VAC			
	105 ~ 135% rated output power				
PROTECTION	OVERLOAD	Protection type: Constant current limiting, recovers automatically after fault condition is removed			
	OVER VOLTAGE	13.8 ~ 16.2V	27.6 ~ 32.4V	57.6 ~ 67.2V	
		Protection type : Shut down o/p voltage, r		07.0 07.24	
	OVER TEMPERATURE	Shut down o/p voltage, recovers automatically after temperature goes down			
FUNCTION	REMOTE CONTROL	4 ~ 10VDC power off, <0 ~ 0.8VDC power on			
	OUTPUT VOLTAGE TRIM	2.4 ~ 13.2V	4.8 ~ 26.4V	9.6 ~ 52.8V	
ENVIRONMENT	WORKING TEMP.	-20 ~ +65°C (Refer to "Derating Curve")	4.0 · 20.4 v	3.0 32.0V	
	WORKING HUMIDITY	20 ~ 90% RH non-condensing			
	STORAGE TEMP., HUMIDITY	· ·			
	TEMP. COEFFICIENT	±0.03%°C (0~50°C)			
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes			
SAFETY EMC (Note 4)					
	SAFETY STANDARDS	UL60950-1, TUV BS EN/EN62368-1, IEC62368-1, EAC TP TC 004 approved I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC			
	ISOLATION RESISTANCE	I/P-O/P.5RVAC //P-FG.2RVAC O/P-FG.0.5RVAC			
	EMC EMISSION	Compliance to BS EN/EN55032 (CISPR32) Class B, BS EN/EN61000-3-2,-3, EAC TP TC 020			
	EMC IMMUNITY	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN55024, light industry level, EAC TPTC 020			
OTHERS	MTBF	2116.3K hrs min. Telcordia SR-332 (Bellcore); 210.6K hrs min. MIL-HDBK-217F (25°C)			
	DIMENSION	215*115*50mm (L*W*H)			
		1.1Kg; 12pcs/14Kg/0.92CUFT	0		
NOTE	Ripple & noise are measured. Tolerance : includes set up to The power supply is consider 360mm*360mm metal plate these EMC tests, please refe. Derating may be needed und The ambient temperature de	lly mentioned are measured at 230VAC input, rated load and $25^{\circ}\mathrm{C}$ of ambient temperature. at at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ F & 47 μ F parallel capacitor. tolerance, line regulation and load regulation. tolerance, line regulation and load regulation. ered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a point with 1 mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform fer to "EMI testing of component power supplies." (as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf) ander low input voltages. Please check the derating curve for more details. erating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft). For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx			







■ Function Manual

1.External Voltage Control

