

300W Single Output with PFC Function

SPV-300 series



■ 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

■ GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx

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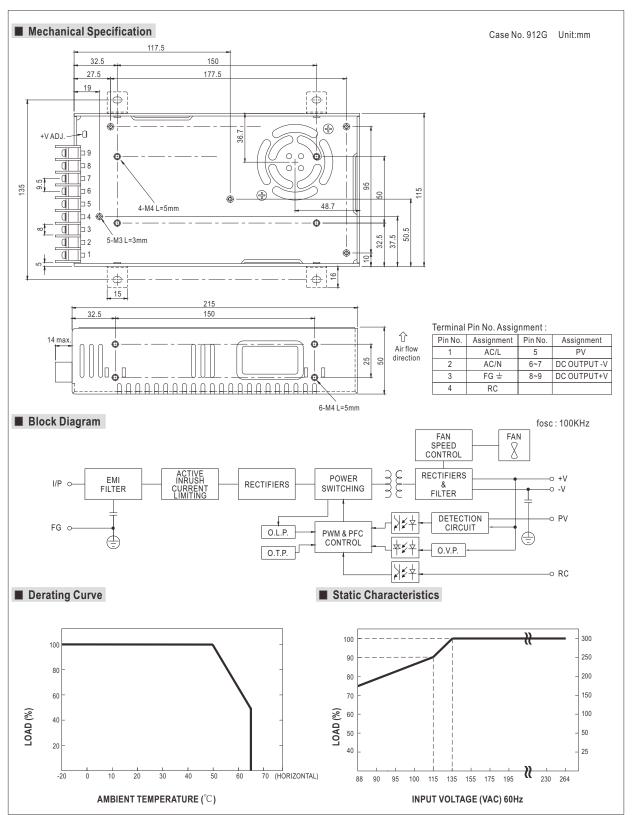
MODEL		SPV-300-12	SPV-300-24	SPV-300-48	
ОИТРИТ	DC VOLTAGE	12V	24V	48V	
	RATED CURRENT	25A	12.5A	6.25A	
	CURRENT RANGE	0 ~ 25A	0 ~ 12.5A	0 ~ 6.25A	
	RATED POWER	300W	300W	300W	
	RIPPLE & NOISE (max.) Note.2	150mVp-p	150mVp-p	240mVp-p	
	VOLTAGE ADJ. RANGE	10.8 ~ 13.2V	20 ~ 26.4V	41 ~ 52.8V	
	VOLTAGE TOLERANCE 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	VOLTAGE RANGE Note.5				
	FREQUENCY RANGE	47 ~ 63Hz			
	POWER FACTOR (Typ.)	PF>0.95/230VAC PF>0.98/115VAC at full load			
	EFFICIENCY (Typ.)	83.5%	85%	86.5%	
	AC CURRENT (Typ.)	3.6A/115VAC 1.8A/230VAC	30 /0	00.070	
	INRUSH CURRENT (Typ.)	20A/115VAC 45A/230VAC			
	LEAKAGE CURRENT	<ma></ma> <ma></ma> <ma></ma> <ma></ma> <ma></ma> <ma></ma> <ma></ma> <ma></ma>			
PROTECTION	OVERLOAD	105 ~ 135% rated output power			
		Protection type: Constant current limiting, recovers automatically after fault condition is removed 13.8 ~ 16.2V 27.6 ~ 32.4V 57.6 ~ 67.2V			
	OVER VOLTAGE	13.8 ~ 16.2V	27.6 ~ 32.4V	57.6~67.2V	
		Protection type: Shut down o/p voltage, re-power on to recover			
	OVER TEMPERATURE	Shut down o/p voltage, recovers automatically after temperature goes down			
FUNCTION	REMOTE CONTROL	4 ~ 10VDC power off, <0 ~ 0.8VDC pov		0.0 50.00	
	OUTPUT VOLTAGE TRIM	2.4 ~ 13.2V	4.8 ~ 26.4V	9.6 ~ 52.8V	
	WORKING TEMP.	-20 ~ +65°C (Refer to "Derating Curve")			
	WORKING HUMIDITY	20 ~ 90% RH non-condensing			
	STORAGE TEMP., HUMIDITY				
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)			
SAFETY EMC (Note 4)	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes			
	SAFETY STANDARDS	UL60950-1, TUV BS EN/EN60950-1, EAC TP TC 004 approved			
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC			
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH			
	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 TP TC 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)			
	PACKING	1.1Kg;12pcs/14Kg/0.92CUFT			
NOTE	Ripple & noise are measure Tolerance : includes set up The power supply is consid a 360mm*360mm metal pla perform these EMC tests, p Derating may be needed ur The ambient temperature default.	ecially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. sured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. up tolerance, line regulation and load regulation. In sidered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to to, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com) d under low input voltages. Please check the derating curve for more details. The derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft mer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx			





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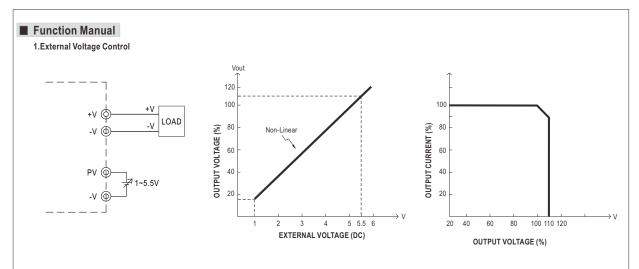
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