



■ 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

User's Manual

■ GTIN CODE

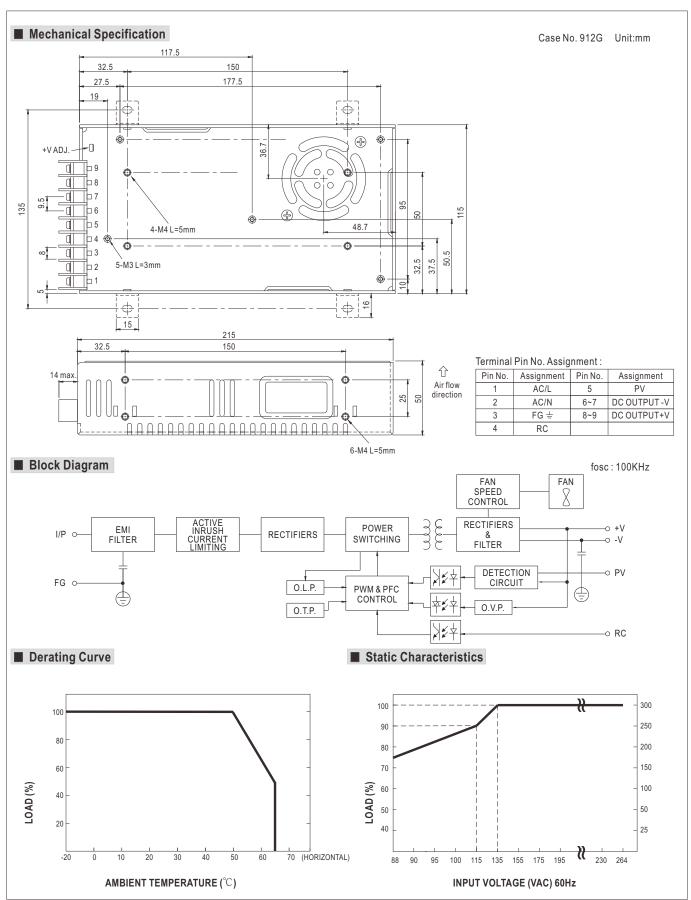
SPECIFICATION

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

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OF LOII IO	ATION		I	T	
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%	
	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	1000	55.676	
	INRUSH CURRENT (Typ.)	20A/115VAC 45A/230VAC			
	LEAKAGE CURRENT	<1mA / 240VAC			
	LEARAGE CORRECT	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")			
	WORKING HUMIDITY	20 ~ 90% RH non-condensing			
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH non-condensing			
	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)			
		1.1Kg; 12pcs/14Kg/0.92CUFT			
NOTE	All parameters NOT special Ripple & noise are measure Tolerance : includes set up The power supply is conside a 360mm*360mm metal pla perform these EMC tests, p Derating may be needed ur The ambient temperature de	OT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. The measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. The sest up tolerance, line regulation and load regulation. The sest up tolerance, line regulation and load regulation. The sest up tolerance, line regulation and load regulation. The sest up tolerance, line regulation and load regulation. The sest up tolerance, line regulation and load regulation. The sest up tolerance, line regulation and load regulation. The sest up tolerance been executed by mounting the unit on metal plate with 1 mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to C tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com) The sest up tolerance been executed by mounting the unit on metal plate with 1 mm of thickness. For guidance on how to C tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com) The sest up tolerance been executed by mounting the unit on metal plate with 1 mm of thickness. For guidance on how to C tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com) The sest up tolerance been executed by mounting the unit on metal plate with 1 mm of thickness. For guidance on how to C tests, please the sest up tolerance been executed by mounting the unit on metal plate with 1 mm of thickness. For guidance on how to C tests, please the sest up tolerance been executed by mounting the unit on the sest up tolerance been executed by mounting the unit on the sest up tolerance been executed by mounting the unit on the sest up tolerance been executed by mounting the unit of the sest up tolerance been executed by mounting the unit of the sest up tolerance been executed by mounting the unit of the sest up tolerance been executed by mounting the unit of the s			
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■ Function Manual

1.External Voltage Control

