



Наличие и актуальные цены на

SPV-300-48

<https://www.mean-well.ru/store/SPV-300-48/>



■ 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

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

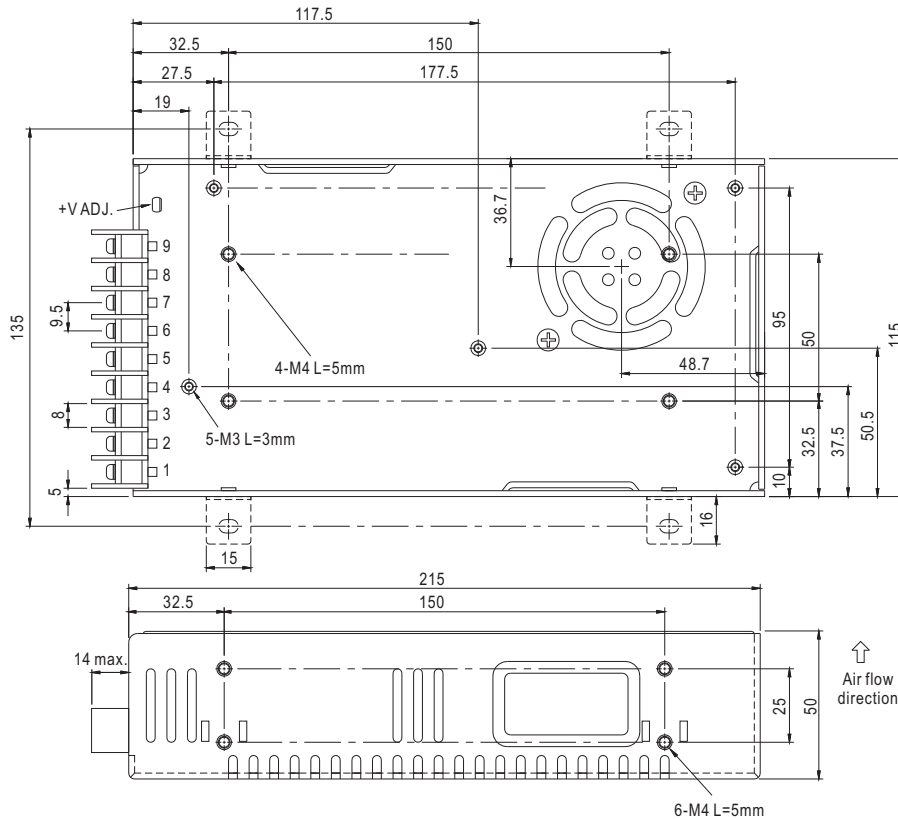

SPECIFICATION

MODEL		SPV-300-12		SPV-300-24		SPV-300-48		
OUTPUT	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	88 ~ 264VAC 124 ~ 370VDC						
	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						
	INRUSH CURRENT (Typ.)	20A/115VAC 45A/230VAC						
	LEAKAGE CURRENT	<1mA / 240VAC						
PROTECTION	OVERLOAD	105 ~ 135% rated output power 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, 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 power on						
	OUTPUT VOLTAGE TRIM	2.4 ~ 13.2V			4.8 ~ 26.4V		9.6 ~ 52.8V	
ENVIRONMENT	WORKING TEMP.	-20 ~ +65℃ (Refer to "Derating Curve")						
	WORKING HUMIDITY	20 ~ 90% RH non-condensing						
	STORAGE TEMP., HUMIDITY	-40 ~ +85℃, 10 ~ 95% RH non-condensing						
	TEMP. COEFFICIENT	±0.03%/℃ (0 ~ 50℃)						
SAFETY EMC (Note 4)	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes						
	SAFETY STANDARDS	UL60950-1, TUV BS EN/EN62368-1, IEC62368-1, 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℃ / 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℃)						
	DIMENSION	215*115*50mm (L*W*H)						
	PACKING	1.1Kg; 12pcs/14Kg/0.92CUFT						
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 0.1 μ F & 47 μ F parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on https://www.meanwell.com/Upload/PDF/EMI_statement_en.pdf) 5. Derating may be needed under low input voltages. Please check the derating curve for more details. 6. The ambient temperature derating of 3.5℃/1000m with fanless models and of 5℃/1000m with fan models for operating altitude higher than 2000m(6500ft). ※ Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx							

Mechanical Specification

(Unit: mm, tolerance ± 1 mm)

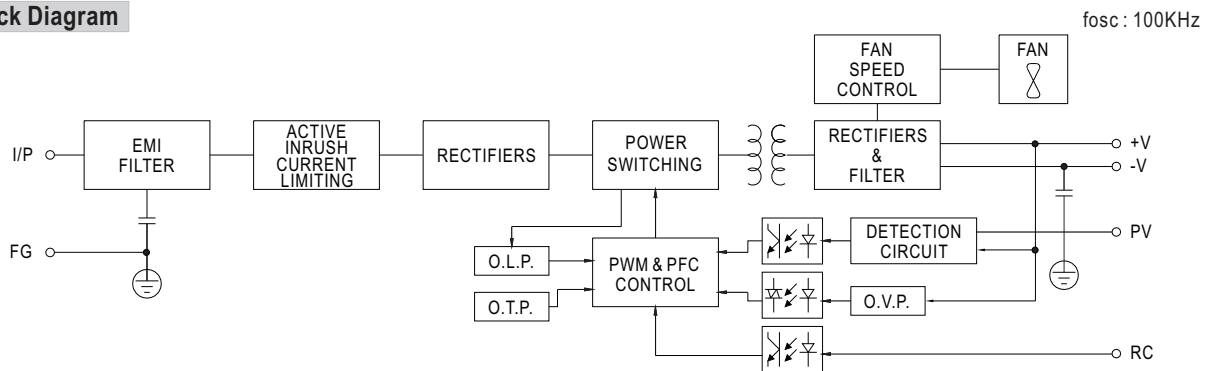
Case No. 912G



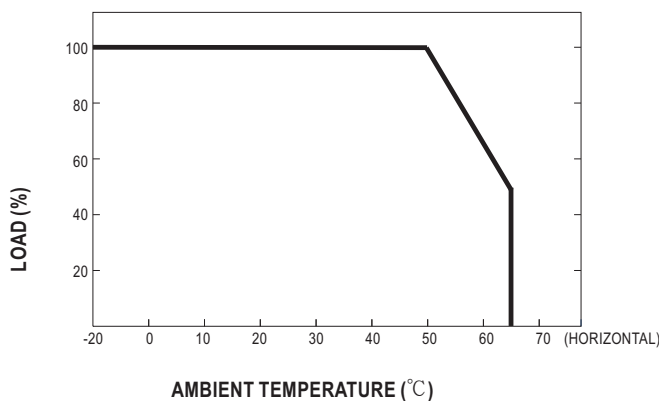
Terminal Pin No. Assignment :

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	5	PV
2	AC/N	6~7	DC OUTPUT -V
3	FG $\perp$	8~9	DC OUTPUT +V
4	RC		

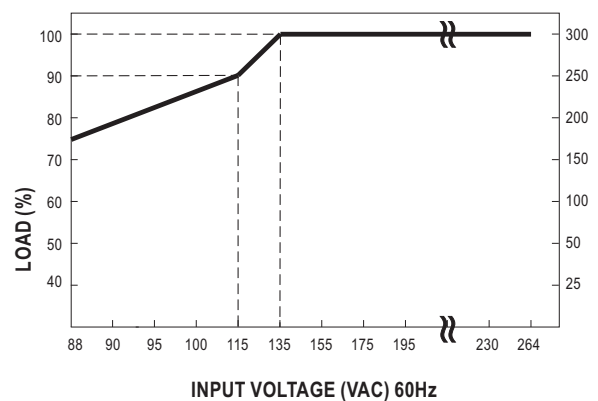
Block Diagram



Derating Curve



Static Characteristics



Function Manual

1.External Voltage Control

