

150W Single Output with PFC Function

SPV-150 series



■ Features :

- Universal AC input / Full range
- Built-in active PFC function, PF>0.94
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Cooling by free air convection
- Output voltage programmable from 20~110% by 1~5.5VDC external control signal
- Built-in remote ON-OFF control
- Fixed switching frequency at 100KHz
- 3 years warranty



■ GTIN CODE

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

SPECIFICATION

			TAT	CB	CEUK
FC	C 774 IIS	TOWARD HAS STREET	ГПІ	CD	/ C CD

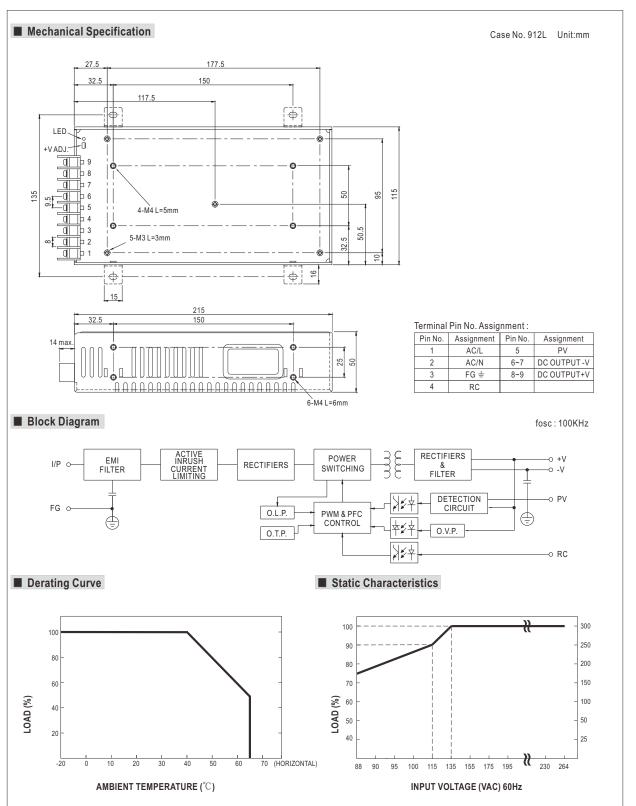
MODEL		SPV-150-12	SPV-150-24	SPV-150-48			
	DC VOLTAGE	12V	24V	48V			
ОИТРИТ	RATED CURRENT	12.5A	6.25A	3.125A			
	CURRENT RANGE	0 ~ 12.5A	0 ~ 6.25A	0 ~ 3.125A			
	RATED POWER	150W	150W	150W			
	RIPPLE & NOISE (max.) Note.2	150mVp-p	150mVp-p	240mVp-p			
	VOLTAGE ADJ. RANGE	10.8 ~ 13.2V	20 ~ 26.4V	41 ~ 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					
		5 88 ~ 264VAC 124 ~ 370VDC					
	FREQUENCY RANGE	47 ~ 63Hz					
INPUT							
	POWER FACTOR (Typ.)	PF>0.94/230VAC PF>0.98/115VAC at full load					
	EFFICIENCY (Typ.)	82% 83%					
	AC CURRENT (Typ.)	2.5A/115VAC 1.25A/230VAC					
	INRUSH CURRENT (Typ.)	20A/115VAC 45A/230VAC					
	LEAKAGE CURRENT	<1mA / 240VAC					
ov	OVERLOAD	105 ~ 150% rated output power					
		Protection type: Constant current limiting, recovers automatically after fault condition is removed					
PROTECTION	OVER VOLTAGE	13.8 ~ 16.2V 27.6 ~ 32.4V 57.6 ~ 67.2V					
	OVER VOLIAGE	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 F	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)					
	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					
SAFETY	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC 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 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					
	MTBF	2112.6K hrs min. Telcordia SR-332 (Bellcore); 210.3K hrs min. MIL-HDBK-217F (25°C)					
OTHERS	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°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf 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 http://www.meanwell.com) 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°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft). **We Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx						





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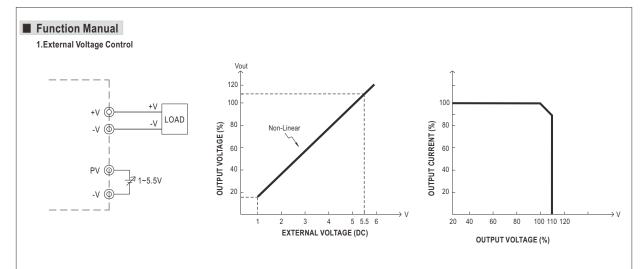
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