



## ■ Features :

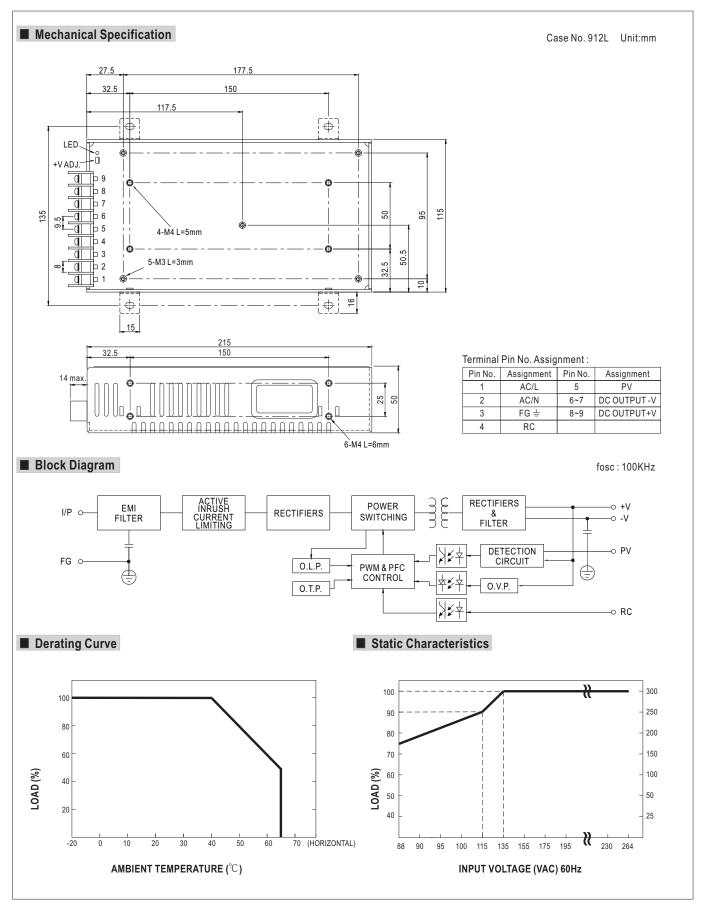
- Universal AC input / Full range
- Built-in active PFC function, PF>0.94
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Cooling by free air convection
- Output voltage programmable from 20~110% by 1~5.5VDC external control signal
- Built-in remote ON-OFF control
- Fixed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

## **SPECIFICATION**



MODEL		SPV-150-12	SPV-150-24	SPV-150-48	
ОИТРИТ	DC VOLTAGE	12V	24V	48V	
	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%	±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 ~ 264 VAC 124 ~ 370 VDC			
	FREQUENCY RANGE	47 ~ 63Hz			
	POWER FACTOR (Typ.)	PF>0.94/230VAC PF>0.98/115VAC	at full load		
	EFFICIENCY (Typ.)	82%	83%	83%	
	AC CURRENT (Typ.)	2.5A/115VAC 1.25A/230VAC			
	INRUSH CURRENT (Typ.)	20A/115VAC 40A/230VAC			
	LEAKAGE CURRENT	<1mA/240VAC			
PROTECTION		105 ~ 150% rated output power			
	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	e-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°C (Refer to "Derating Curve")			
	WORKING HUMIDITY	20 ~ 90% RH non-condensing			
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH			
	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 EN60950-1 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 EN55022 (CISPR22) Class B, EN61000-3-2,-3			
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A			
OTHERS	MTBF	207K hrs min. MIL-HDBK-217F (25°C)			
	DIMENSION	215*115*50mm (L*W*H)			
	PACKING	1.1Kg; 12pcs/14Kg/0.92CUFT			
NOTE	All parameters NOT special     Ripple & noise are measure     Tolerance: includes set up     The power supply is consid     a 360mm*360mm metal pla     perform these EMC tests, p	ally mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.  red at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.  to tolerance, line regulation and load regulation.  dered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on ate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com) under low input voltages. Please check the derating curve for more details.			
		File Name:SPV-150-SPEC 2015-07-1.			







## **■** Function Manual

## 1.External Voltage Control

