



## Features:

- Constant voltage design
- 180~305VAC input only
- Fully encapsulated with IP67 level (Note.8)
- Class  $\prod$  power unit, no FG
- Protections: Short circuit/Over current/Over voltage/Over temperature
- Fully isolated plastic case
- Cooling by free air convection
- 100% full load burn-in test
- Low cost, high reliability
- Suitable for LED lighting and moving sign applications(Note 7.)
- 2 years warranty

## **SPECIFICATION**

MODEL		LPV-150-12	LPV-150-15	LPV-150-24	LPV-150-36	LPV-150-48
ОИТРИТ	DC VOLTAGE	12V	15V	24V	36V	48V
	RATED CURRENT	10A	8A	6.3A	4.2A	3.2A
	CURRENT RANGE	0 ~ 10A	0 ~ 8A	0 ~ 6.3A	0~4.2A	0 ~ 3.2A
	RATED POWER	120W	120W	151.2W	151.2W	153.6W
	RIPPLE & NOISE (max.) Note.2	200mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p
	VOLTAGE TOLERANCE Note.3	±5.0%				
	LINE REGULATION	±1.0%				
	LOAD REGULATION	±2.0%				
	SETUP, RISE TIME Note.6	500ms, 50ms / 230VAC 500ms, 50ms / 277VAC				
	HOLD UP TIME (Typ.)	18ms/230VAC 20ms/277VAC at full load				
INPUT	VOLTAGE RANGE Note.4	180 ~ 305VAC 254 ~ 431VDC				
	FREQUENCY RANGE	47 ~ 63Hz				
	EFFICIENCY (Typ.)	87%	88%	89%	89%	90%
	AC CURRENT	1.7A/230VAC 1.5A/277VAC				
	INRUSH CURRENT(Typ.)	COLD START 60A(twidth=700µs measured at 50% Ipeak) at 230VAC				
	LEAKAGE CURRENT	0.25mA / 240VAC				
PROTECTION	OVER CURRENT	110 ~ 150% rated output power				
		Protection type: Hiccup mode, recovers automatically after fault condition is removed				
	OVER VOLTAGE	13.5 ~ 17V	17 ~ 25V	27 ~ 35V	40 ~ 49V	55 ~ 65V
		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				
ENVIRONMENT	WORKING TEMP.	-25 ~ +70°C (Refer to "Derating Curve")				
	WORKING HUMIDITY	20 ~ 90% RH non-condensing				
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH				
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)				
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes				
SAFETY & EMC	SAFETY STANDARDS	IP67 approved; Design refer to TUV EN60950-1				
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC				
	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C/ 70% RH				
	EMC EMISSION	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2 Class A(≤80% load), EN61000-3-3				
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; EN55024, light industry level, criteria A				
OTHERS	MTBF	703Khrs min. MIL-HDBK-217F (25°C)				
	DIMENSION	191*63*37.5mm (L*W*H)				
	PACKING	0.74Kg;20pcs/15.8Kg/0.9	95CUFT			
NOTE	<ol> <li>All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</li> <li>Tolerance: includes set up tolerance, line regulation and load regulation.</li> <li>Derating may be needed under low input voltage. Please check the static characteristics for more details.</li> <li>The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.</li> <li>Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time.</li> <li>The unit might not be suitable for lighting applications in EU countries. Please check with your local authorities for the possible use of the unit.</li> <li>Suitable for indoor use or outdoor use without direct sunlight exposure.</li> </ol>					



