



■ Features :

- Constant voltage design
- Universal AC input / Full range
- Withstand 300VAC surge input for 5 seconds
- Protections: Short circuit / Over load / Over voltage
- · Cooling by free air convection
- Fully encapsulated with IP67 level (Note.8)
- · Fully isolated plastic case
- ullet Class ${\rm II}$ power unit, no FG
- · Class 2 power unit
- Pass LPS
- Suitable for LED related fixture or appliance (such as LED Decoration or Advertisement devices)(Note.7)
- 100% full load burn-in test
- · Low cost, high reliability
- 2 years warranty

SPECIFICATION

□ LPS (except for 5V) IP67 **%** (for 48V only) **c %** US (except for 5V,48V) **CB C E**

MODEL		LPV-60-5	LPV-60-12	LPV-60-15	LPV-60-24	LPV-60-36	LPV-60-48
ОИТРИТ	DC VOLTAGE	5V	12V	15V	24V	36V	48V
	RATED CURRENT	8A	5A	4A	2.5A	1.67A	1.25A
	CURRENT RANGE	0 ~ 8A	0 ~ 5A	0 ~ 4A	0 ~ 2.5A	0 ~ 1.67A	0 ~ 1.25A
	RATED POWER	40W	60W	60W	60W	60W	60W
	RIPPLE & NOISE (max.) Note.2	80mVp-p	120mVp-p	120mVp-p	150mVp-p	150mVp-p	150mVp-p
	VOLTAGE TOLERANCE Note.3		±5.0%	1			
	LINE REGULATION	±1.0%					
	LOAD REGULATION	±6.0% ±2.0%					
	SETUP, RISE TIME Note.6	500ms, 20ms / 230VAC 500ms, 20ms / 115VAC at full load(for 5~36V); 500ms, 30ms / 230VAC 500ms, 30ms / 115VAC at full load(for 48V					
	HOLD UP TIME (Typ.)	50ms/230VAC 16ms/115VAC at full load					
INPUT	VOLTAGE RANGE Note.4	90 ~ 264VAC 127 ~ 370VDC					
	FREQUENCY RANGE	47 ~ 63Hz					
	EFFICIENCY (Typ.)	76%	83%	83%	86%	86%	86%
	AC CURRENT (Typ.)	1.2A/115VAC 1A/230VAC					
	INRUSH CURRENT(Typ.)	COLD START 60A(twidth=525μs measured at 50% Ipeak) at 230VAC					
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	3 units (circuit breaker of type B) / 6 units (circuit breaker of type C) at 230VAC					
	LEAKAGE CURRENT	0.25mA / 240VAC					
PROTECTION	OVER LOAD	110 ~ 150% rated output power					
		Protection type: Hiccup mode, recovers automatically after fault condition is removed 5.75 ~ 6.75V					
	OVER VOLTAGE				21.0~32.40	41.4 ~ 40.00	33.2 ~ 04.6 V
ENVIRONMENT	WORKING TEMP.	Protection type: Shut down o/p voltage, re-power on to recover -30 ~ +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		UL879(except for LPV-60-5), UL1310(except for LPV-60-5), CSA C22.2 No. 207-M89(except for LPV-60-5, LPV-60-48),					
	SAFETY STANDARDS	CAN/CSA C22.2 No. 223-M91(except for LPV-60-5), LPV-60-48), IP67, IEC60950-1:2005+A2:2013 approved; design refer to TUV EN6095					
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC					
	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C/ 70% RH					
	EMC EMISSION	Compliance to EN55032 (CISPR32) Class B, EN61000-3-2 Class A, EN61000-3-3					
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A					
OTHERS	MTBF	732Khrs min. MIL-HDBK-217F (25°C)					
	DIMENSION	162.5*42.5*32mm (L*W*H)					
	PACKING	0.4Kg; 32pcs/13.8Kg	,				
NOTE	All parameters NOT special Ripple & noise are measure Tolerance: includes set up Derating may be needed ur The power supply is consid complete installation, the fir Length of set up time is me The unit might not be suital.	lly mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. ed at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. tolerance, line regulation and load regulation. nder low input voltage. Please check the static characteristics for more details. lered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the load equipment manufacturers must re-qualify EMC Directive on the complete installation again. easured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time. ble for lighting applications in EU countries. Please check with your local authorities for the possible use of the unit.					

8. Suitable for indoor use or outdoor use without direct sunlight exposure. Please avoid immerse in the water over 30 minute.



