





<u> </u> 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
Class 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)
00% full load burn-in test
ow cost, high reliability
years warranty IS 15885 [Part 2]Sec 13]
LPS _(except for 5V) IP67 R-41027766 CPU us [III CB CE

SPECIFICATION

SPECIFIC MODEL	ATION	LPV-60-5	LPV-60-12	LPV-60-15	(for 12V,24V only) (fo	LPV-60-36	LPV-60-48
WODEL	DC VOLTAGE	5V	12V	15V	24V	36V	48V
	RATED CURRENT	8A	5A	4A	2.5A	1.67A	1.25A
OUTPUT		0~8A	0~5A	0~4A	0 ~ 2.5A	0 ~ 1.67A	0~1.25A
	CURRENT RANGE	40W	60W	60W	60W	60W	60W
	RATED POWER						
	RIPPLE & NOISE (max.) Note.2 VOLTAGE TOLERANCE Note.3		120mVp-p	120mVp-p	150mVp-p	150mVp-p	150mVp-p
	LINE REGULATION	±1.0%					
	LOAD REGULATION	±6.0% ±2.0%					
	•	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					
		90 ~ 264VAC 127 ~ 370VDC					
	FREQUENCY RANGE	47 ~ 63Hz	1		2001	2001	
	EFFICIENCY (Typ.)	76%	83%	83%	86%	86%	86%
INPUT	AC CURRENT (Typ.)	1.2A/115VAC 1A/230VAC					
	INRUSH CURRENT(Typ.)	COLD START 60A(twidth=525µs meas	ured at 50% lpeak) a	t 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	OVERLOAD	110 ~ 150% rated output power					
		Protection type: Hiccup mode, recovers automatically after fault condition is removed 5.75 ~ 6.75V 13.8 ~ 16.2V 17.25 ~ 20.25V 27.6 ~ 32.4V 41.4 ~ 48.6V 55.2 ~ 64.8V					
	OVER VOLTAGE						
	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					
ENVIRONMENT	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 STANDARDS	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), CAN/CSA C22.2 No. 223-M91(except for LPV-60-5, LPV-60-48), BIS IS15885(for LPV-60-12, LPV-60-24 only), EAC TP TC 004, IP67, IEC60950-1:2005+A2:2013 approved; design refer to TUV EN60950-1					
SAFETY&	WITHSTAND VOLTAGE						
EMC	ISOLATION RESISTANCE	I/P-O/P:>100MOhms/500VDC/25°C/70%RH					
	EMC EMISSION	Compliance to EN55032 (CISPR32) Class B, EN61000-3-2 Class A, EN61000-3-3, EACTPTC 020					
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A, EACTPTC 020					
	MTBF	732Khrs min. MIL-HDBK-217F (25°C)					
OTHERS	DIMENSION	162.5*42.5*32mm(L*W*H)					
	PACKING	0.4Kg; 32pcs/13.8Kg/0.56CUFT					
NOTE	All parameters NOT specia 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 nal equipment manufacturers must re-qualify EMC Directive on the complete installation again. leasured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time. loe for lighting applications in EU countries. Please check with your local authorities for the possible use of the unit. utdoor use without direct sunlight exposure. Please avoid immerse in the water over 30 minute.					



