



60W Single Output Switching Power Supply

LPC-60 series



■ Features :

- Constant current design
- Universal AC input / Full range
- Withstand 300VAC surge input for 5 seconds
- Protections: Short circuit / Over voltage
- Cooling by free air convection
- Fully encapsulated with IP67 level (Note.6)
- 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.9)
- 100% full load burn-in test
- Low cost, high reliability
- 2 years warranty

User's Manual



■ GTIN CODE

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

IS 15885(Part 2/Sec13)



R-41027766 (except for 1750mA)



SPECIFICATION



LPS IP67



(except for 1750mA)



(for 1750mA only)

MODEL		LPC-60-1050		LPC-60-1400		LPC-60-1750	
OUTPUT	RATED CURRENT	1050mA		1400mA		1750mA	
	CONSTANT CURRENT REGION	9 ~ 48V		9 ~ 42V		9 ~ 34V	
	RATED POWER	50.4W		58.8W		59.5W	
	CURRENT RIPPLE	Note.2	±5%				
	VOLTAGE TOLERANCE	±5.0%					
	CURRENT ACCURACY	±5.0%					
	SETUP, RISE TIME	Note.5	500ms, 120ms / 230VAC 500ms, 120ms / 115VAC at full load				
	HOLD UP TIME (Typ.)	50ms/230VAC		16ms/115VAC at full load			
INPUT	VOLTAGE RANGE	Note.3	90 ~ 264VAC 127 ~ 370VDC				
	FREQUENCY RANGE	47 ~ 63Hz					
	EFFICIENCY (Typ.)	87%		85%		87%	
	AC CURRENT (Typ.)	1.2A/115VAC 0.7A/230VAC					
	INRUSH CURRENT(Typ.)	COLD START 60A(twidth=540μs 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 VOLTAGE	50.4 ~ 60V		44.1 ~ 56.7V		39.1 ~ 45.9V	
	Protection type : Shut off o/p voltage, clamping by TVS diode						
ENVIRONMENT	WORKING TEMP.	-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	SAFETY STANDARDS	UL1310, CAN/CSA C22.2 No. 223-M91(for LPC-60-1750 only), BIS IS15885(except for LPC-60-1750), EAC TP TC 004, IP67, IEC62368-1 , BS EN/EN62368-1 approved					
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC					
	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C/ 70% RH					
	EMC EMISSION	Compliance to BS EN/EN55032 (CISPR32) Class B, BS EN/EN61000-3-2 Class A, BS EN/EN61000-3-3, EAC TP TC 020					
	EMC IMMUNITY	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN55035, light industry level, EAC TP TC 020					
OTHERS	MTBF	5269.3K hrs min. Telcordia SR-332 (Bellcore) ; 567.2K hrs min. MIL-HDBK-217F (25°C)					
	DIMENSION	162.5*42.5*32mm (L*W*H)					
	PACKING	0.4Kg; 32pcs/13.8Kg/0.63CUFT					
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Current ripple is measured 60%~100% of maximum voltage under rated power delivery. 3. Derating may be needed under low input voltage. Please check the static characteristics for more details. 4. 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. (as available on https://www.meanwell.com/Upload/PDF/EMI_statement_en.pdf) 5. 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. 6. Suitable for indoor use or outdoor use without direct sunlight exposure. Please avoid immerse in the water over 30 minute. 7. 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). 8. For any application note and IP water proof function installation caution, please refer our user manual before using. https://www.meanwell.com/Upload/PDF/LED_EN.pdf 9. This product is not intended for LED lighting luminaire applications in the EU and China.(In the EU and China the LPF/NPF/XLG/XLC/XLN series are recommended.) ※ Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx						

