



MEAN WELL LPC-60 Series 60W Single Output Switching Power Supply User Manual

[Home](#) » [MEAN WELL](#) » MEAN WELL LPC-60 Series 60W Single Output Switching Power Supply User Manual 

LPC-60 Series 60W Single Output Switching Power Supply User Manual



60W Single Out put Switching Power Supply
LPC-60 series

Contents

- [1 LPC-60 Series 60W Single Output Switching Power Supply](#)
- [2 SPECIFICATION](#)
- [3 Mechanical Specification](#)
- [4 Recommend Mounting Direction](#)
- [5 Static Characteristics](#)
- [6 Documents / Resources](#)
 - [6.1 References](#)

LPC-60 Series 60W Single Output Switching Power Supply

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.7)
- 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.10)
- 100% full load burn-in test
- Low cost, high reliability
- 2 years warranty

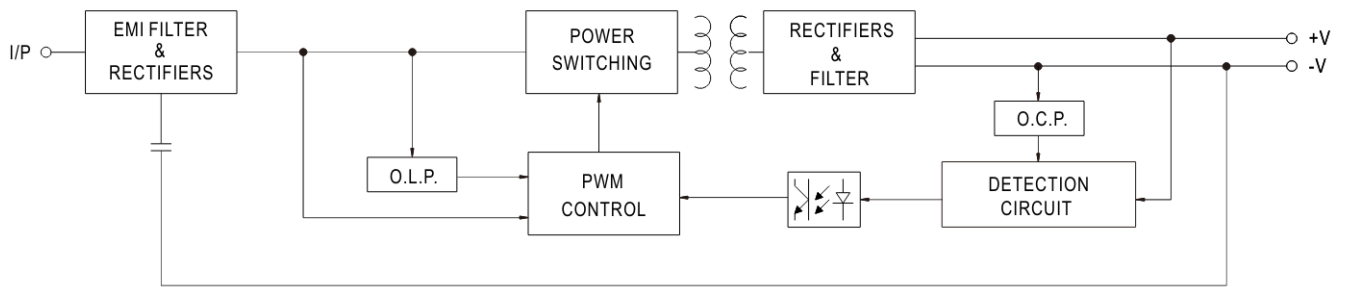
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MW Search: <https://www.meanwell.com/serviceGTIN.aspx>

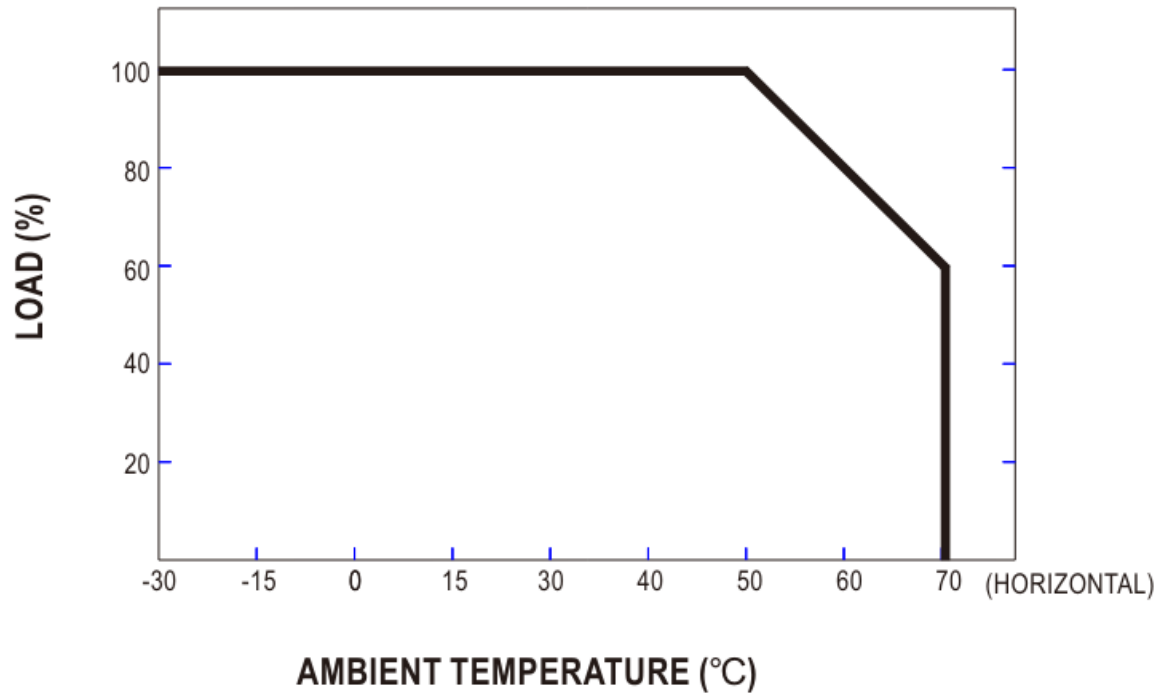
SPECIFICATION

MODEL		LPC-60-1050	LPC-60.1400	LPC-60.1750
OUTPUT	RATED CURRENT	1050mA	1400mA	1750mA
	DC VOLTAGE RANGE	9 – 48V	9 – 42V	9 – 34V
	RATED POWER	50.4W	58.8W	59.5W
	RIPPLE & NOISE (max.) Note.2	200mVp-p	200mVp-p	200mVp-p
	VOLTAGE TOLERANCE Note.3	±5.0%		
	CURRENT ACCURACY	±5.0%		
	LINE REGULATION	±1.0%		
	LOAD REGULATION	±2.0%		
	SETUP, RISE TIME Note.6	500ms. 120ms / 230VAC 500ms, 120ms / 115VAC at full load		
	HOLD UP TIME (Typ.)	50ms/230VAC 16ms/115VAC at full load		
	VOLTAGE RANGE Note.4	90 – 264VAC 127 – 370VDC		

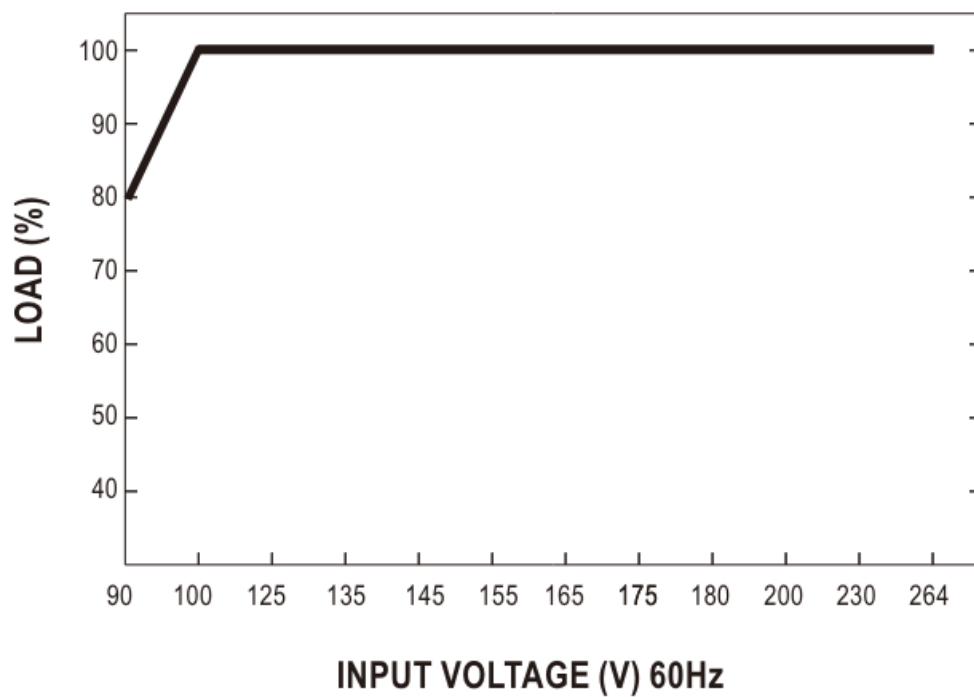
INPUT	FREQUENCY RANGE	47 – 63Hz		
	EFFICIENCY (Typ.)	87%	185%	187%
	AC CURRENT (Typ.)	1.2A/115VAC 0.7A/230VAC		
	INRUSH CURRENT(Typ.)	COLD START 60A(twidth.7540us measured at 50% (peak) at 230VAC		
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	3 units (circuit breaker of type 13) / 6 units (circuit breaker of type C) at 230VAC		
	LEAKAGE CURRENT	0.25mA/ 240VAC		
PROTECTION	OVER VOLTAGE	50.4 – 60V	144.1 – 56.7V	139.1 – 45.9V
		Protection type : Shut off o/p voltage. clamping by TVS diode		
ENVIRONMENT	WORKING TEMP.	-30 – +70°C (Refer to iterating Curve')		
	WORKING HUMIDITY	20 – 90% RH noncondensing		
	STORAGE TEMP., HUMIDITY	•0 – +80°C. 10 – 95% RH		
	TEMP. COEFFICIENT	±0.03%/°C (0 – 50°C)		
	VIBRATION	10 – 500Hz. 2G 10min./l cycle. period for 60min. each along X, Y, Z axes		
SAFETY & EMC	SAFETY STANDARDS	UL1310. CAN/CSA C22.2 No. 223•M91(for LPC-60-I 750 only). BIS 1515885(except for LPC-60.1750), EAC TP TC 004, IP67, IEC62368•1 . BS EN/EN62368.I approved		
	WITHSTAND VOLTAGE	I/P-0/P:3KVAC		
	ISOLATION RESISTANCE	1/P-0/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/EN610004-2,3,4,5.6.8.11 , 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; 32pcs113.8Kg10.63CUFT		



Derating Curve



Static Characteristics



User's Manual



http://www.meanwell.com.cn/Upload/PDF/LED_EN.pdf



 LPS IP67   (except for 1750mA)  (for 1750mA only)
IS 15885(Part 2:Sec13)
 R-41027766 (except for 1750mA)   
Downloaded from Arrow.com.

Documents / Resources



[MEAN WELL LPC-60 Series 60W Single Output Switching Power Supply \[pdf\]](#) User Manual
LPC-60 Series 60W Single Output Switching Power Supply, LPC-60 Series, 60W Single Output Switching Power Supply, Single Output Switching Power Supply, Output Switching Power Supply, Switching Power Supply, Power Supply, Supply

References

- [User Manual](#)

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