

PREPARED BY:  
PROJECT:  
TYPE:



# 60 WATT POWER SUPPLIES



## FEATURES

- Output constant voltage
- Built-in PFC function
- Protections: short circuit/ over voltage/ over heat
- Cooling by free air convection
- Flicker-free
- Work with leading edge & trailing edge triac dimmers
- Class 2, Class P, Type HL, CE, UL, FCC compliant
- PWM output, does not change the color index
- Metal housing
- Suitable for dry location
- Strong compatibility, flicker-free dimming
- Suitable for LED lighting and moving sign applications
- Compliance to worldwide safety regulations for lightings.
- Compatible with Forward phase, Reverse phase, Triac, MLV, ELV Dimmers
- 3 years warranty

## SPECIFICATIONS

• Wattage	60W	• Dimming Range	0~100%
• Input Voltage	AC 100-277V	• Weight	2.4 lb
• PF	>0.99	• Dimensions	7.4" x 3.6" x 1.02"
• Efficiency	>88%		(188mm x 90mm x 26mm)

## ORDERING GUIDE

Model	Dimming	Voltage	Current	Load Regulation
LB55481	Dimmable	12V	5A	2±
LB55489	Dimmable	24V	2.5A	1±
LB55504	Non- Dimmable	24V	2.5A	1±

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OUTPUT	Voltage	12V	24V
	Voltage Accuracy	±0.5V	
	Voltage Regulation	±0.5%	
	Rated Current	5.00A	2.50A
	Load Regulation	±2%	±1%
	Rated Power	60W	
INPUT	Voltage Range	100-277V AC	
	Frequency Range	47~63HZ	
	Power Factor (Typ.)	0.98@120VAC 0.94@277VAC	0.98@120VAC 0.95@277VAC
OUTPUT	Full Load Efficiency (Typ.)	>83%@110V, >85%@277VAC	>85%@110V, >86%@277VAC
	AC Current (Typ.)	0.93A/120VAC	
	Inrush Current (Typ.)	14A,50% , 780us @120v ;50A,50% 176us@230V ; 15A 50% 660us@277V	
	Leakage Current	<0.50mA	
	Over Voltage	≤140VAC(90~135V), ≤285VAC(170~277V)	
ENVIRONMENT	Working Temperature	-40~+60°C	
	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./1 cycle, period for 60min. each along X,Y,Z axes	

