

PREPARED BY:  
PROJECT:  
TYPE:



# 300 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       | 300W        | • Dimming Range | 0~100%                 |
| • Input Voltage | AC 100-277V | • Weight        | 4.2 lb                 |
| • PF            | >0.99       | • Dimensions    | 10.94" x 4.25" x 1.81" |
| • Efficiency    | >87%        |                 | (278mm x 108mm x 46mm) |

## ORDERING GUIDE

Model	Dimming	Voltage	Current	Load Regulation
LB55487	Dimmable	12V	25.0A	2±
LB55472	Dimmable	24V	12.5A	1±
LB55452	Non- Dimmable	24V	12.5A	1±

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OUTPUT	Voltage	12V	24V
	Voltage Accuracy	±0.5V	
	Voltage Regulation	±0.5%	
	Rated Current	25.0A	12.5A
	Load Regulation	±2%	±1%
	Rated Power	300W	
INPUT	Voltage Range	100-277V AC	
	Frequency Range	47~63HZ	
	Power Factor (Typ.)	0.98@120VAC 0.97@277VAC	0.98@120VAC 0.97@277VAC
	Full Load Efficiency (Typ.)	>88%	>88%
	AC Current (Typ.)	3.4A/110VAC	
	Leakage Current	<0.50mA	
PROTECTION	Over Voltage	≤140VAC(100~130V), ≤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	

