



300W LED ELECTRONIC DRIVER

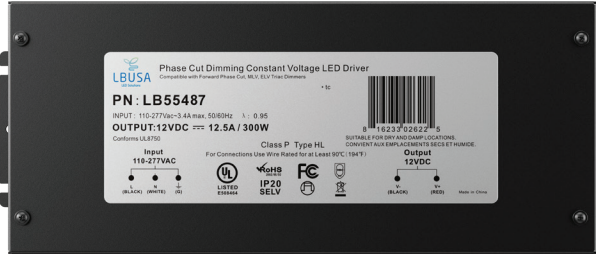
POWER SUPPLIES

PROJECT:

PREPARED BY:

DATE:

TYPE:



FEATURE

- 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

PERFORMANCE

• 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	Output Voltage	Wattage	Rate Current	Load Regulation
LB55487	Dimmable	12V	300W	25A	2±
LB55472	Dimmable	24V	300W	12.5A	1±
LB55452	Non-Dimmable	24V	300W	12.5A	1±





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SPECIFICATION CHART

	Voltage	12V	24V
Output	Voltage Accuracy	±0.5V	
	Voltage Regulation	±0.5%	
	Rated Current	25A	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
Output	Full Load Efficiency (Typ.)	>88%	>88%
	AC Current (Typ.)	3.4A/100VAC	
	Leakage Current	<0.50mA	
	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	



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DIMMING AND CONNECTING DIAGRAM

