



- Compatible with leading edge and trailing edge TRIAC dimmers
- Wide-range compatibility, flicker-free dimming
- Short circuit and over current protection
- Air-cooled for long life operation
- Wet location (IP67)

Item #	AL-98-03-12120	
Output	DC Voltage	12V DC
	Voltage Accuracy	±0.5%
	Rated current	10A
	Rated power	120W
	Minimum Load	0% (on/off switch) / 60% (w/dimmer)
Input	Voltage Range	120V AC
	Frequency Range	47~63HZ
	Power Factor (Avg.)	PF≥0.92/110V ; PF≥0.93/170V ; PF≥0.95/220V ; PF≥0.95/265V
	Full Load Efficiency (Avg.)	>85% (12V DC)
	AC Current (Avg.)	0.66A/110V AC — 0.63A/170V AC — 0.57A/220V AC — 0.52A/265V AC
	Leakage Current	<0.27mA/110V/220V AC
Protection	Short Circuit	Short circuit protection and autorecovery
	Over Voltage	≤140V AC
Environment	Working Temp. / Humidity	-40~+60°C / -40~+140°F / 20~90%RH, non-condensing
	Storage Temp. Humidity	-40~+80°C, -40~176°F / 10~95%RH
Safety & EMC	Safety Standards	EN-60950-1, EN61347-1 EN61347-2-13
	Withstand Voltage	I/P-O/P: 3.75KV AC I/P-FG: 1.88KV AC O/P-FG: 0.5K VAC
	Isolation Resistance	I/P-O/P: 100MΩ/500V DC/25°C, 77°F/70%RH
	EMC Emission	Compliance to EN55015, EN61000-3-2 (≥50% load)
	EMC Immunity	Compliance to EN55015; EN61000-4-2,3, 4, 5, 6, 8, 11, EN61547, a light industry level (surge 4KV)
Other	Warranty	5 Year Limited
	Dimensions (L x W x H)	9 x 2.76 x 1.81 in.

1. All parameters NOT specially mentioned are measured at 110V, 230V AC input, rated load, and 25°C, 77°F of ambient temperature.  
 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.