

**FEATURES**

**100W Constant Current Dual Output LED Driver LEDWC-100D series**

- Ultra High Efficiency (Up to 91%)
- Active Power Factor Correction (Up to 0.99)
- IP67
- Dual Output Channels
- Lighting Protection
- Comply with UL8750 & EN61347 Safety Regulations (pending)
- Very High MTBF & Life Time



**SPECIFICATIONS**

Model#	Each Output Current	Each Output Current Range	Each Output Max. Voltage	Each Output Voltage Range
LEDWC-100D035ST	350mA	332~368mA	142Vdc	90V~124Vdc

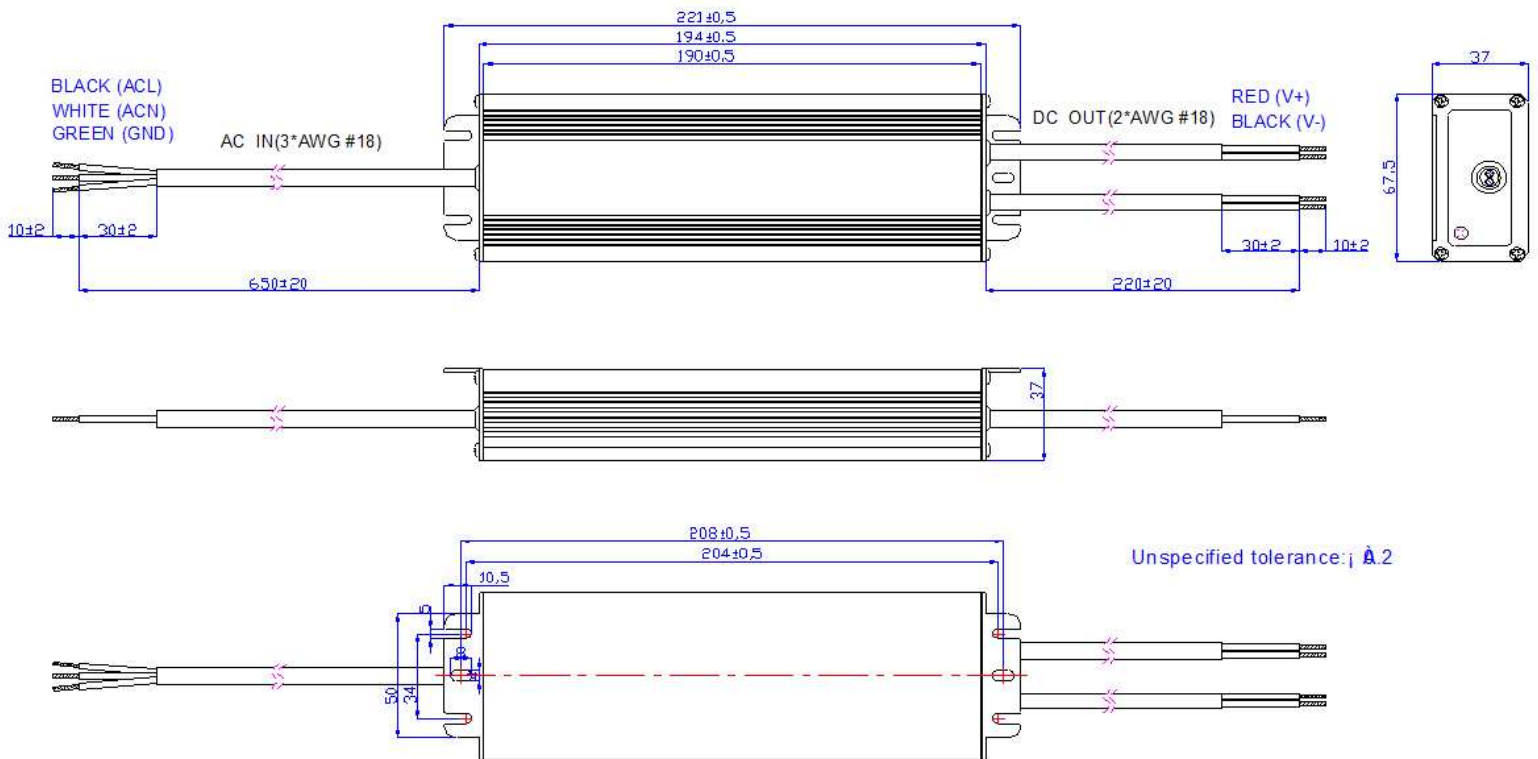
Output	Rated Power	100W		
	Ripple & Noise Max (2)	2% Vo Pk- Pk		
	Line Regulation	1%		
	Load Regulation	3%		
	Setup, Rise Time	0.6s measured at 110V AC		
Input	Voltage Range	90V~305V AC		
	Frequency Range	47Hz/63Hz		
	PF	0.99 @100V AC and 0.96@220VAC		
	Efficiency (5)	88% @ 110V AC / 90% @ 220V AC		
	Inrush Current	50A @ 230V AC Input and 25°C		
	AC Current (Typ.)	1.2A / 100V AC    0.6A / 220V AC		
Protections	Short Circuit	Protection Type: Hiccup mode, recovers automatically after fault condition is removed		
	Over Temperature	110°C Latch mode. The power supply shall return to normal operation only after the power is recycled.		
	Over Voltage	180V Typical / 200V max. Protection Type: Latch-off mode, Power supply must be recycled		
Environmental	Temperature Range	Operational	-35°C ~ 70°C	
		Storage	-40°~+85°C	
	Humidity	Operational	10 ~ 100% RH	
		Storage	5 ~ 100% RH	
Safety & EMC	Safety Standards	UL8750 Compliance to UL1310 Class 2 UL1012, UL935, CSA-C22.2 (No. 0, No. 107.1 No.250.0)		
	Withstand Voltage	I/P – O/P: 3KVAC (4242 DC) I/P – F/G: 1.5KVAC (2121 DC) O/P – F/G: 0.5KVAC (707 DC), 1 min		
	EMI Conduction & Radiation	EN55015 with 6db margin		
	Harmonic Current	EN61000-3-2, EN61000-3-3		
	EMS Immunity	EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11		
Others	MTBF (3)	350K HRS Compliance: MIL-HDBK-217F @ 25°C ambient temp.		
	Life Time (4)	50,000 hours @ 45°C ambient temp.		
	Dimensions	(L*W*H) 194*67.5*37.0mm    7.64*2.66*1.46 inches		
	Weight	1000 g		



Notes:

1. Measured at full load, 220V AC input and 25°C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth oscilloscope and the output paralleled a 0.1µF ceramic capacitor & 10µF electrolytic capacitor.
3. Measured at 110V AC input, 80% load and 25°C of ambient temperature.
4. Measured at 220V AC input, 80%load and 45°C of ambient temperature.
5. Measured at full load, 110V AC input, 25°C ambient temperature, after unit is thermally stabilized. It will be lower about 1% if measured immediately after set up.
6. All parameters NOT specially mentioned are measured at 220V AC input, rated load and 25°C of ambient temperature.
7. Specifications are subject to change without notice. AUTECH cannot be held liable for errors or omissions or the consequences thereof.
8. A suffix-XXXX may be added to denote variations or modifications to the base product, where X can be any alphanumeric character or blank.

Mechanical Specification



**PART NUMBER SCHEME**

**LEDWC-100D035ST**

