

FEATURES

200W Constant Current Quad Output

LEDWC-200Q Series

- Ultra High Efficiency (Up to 91%)
- Active Power Factor Correction
- IP67
- Four Channels Output
- Lighting Protection
- Comply with UL8750 & EN61347 Safety Regulations



SPECIFICATIONS

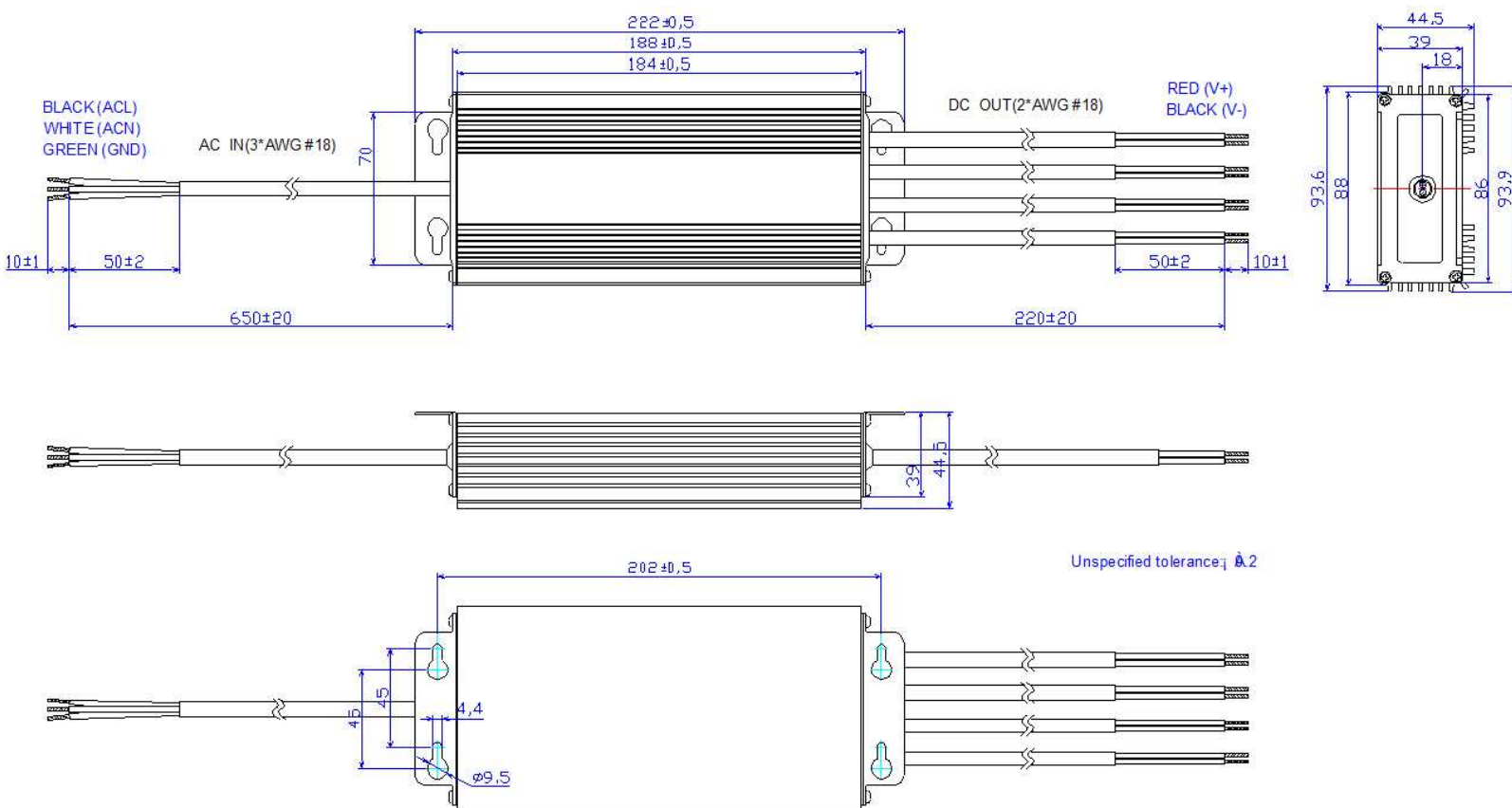
Model #		Each Output Rated Current (1)	Each Output Current Range (mA)	Each Output Max. Voltage	Each Output Voltage Range
LEDWC-200Q035ST		350 mA	332~368 mA	142Vdc	90V~142Vdc
Output	Rated Power	200W			
	Ripple & Noise (2)	2% Vo Pk-Pk			
	Line Regulation	1%			
	Load Regulation	3%			
	Start-Up Time	0.6 sec. measured at 110V AC			
Input	Voltage Range	90V~305V AC			
	Frequency Range	47Hz~ 63Hz			
	PF	0.99@100V AC and 0.96@220V AC			
	Efficiency	88%@110V AC / 90%@220V AC			
	Inrush Current	50A @ 230V AC Input and 25°C			
	AC Current (Typ.)	2.3A/100V AC 1.1A/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 it is recycled.			
	Over Voltage	180V Typical / 200V max.			
		Protection type: latch-off mode, Power supply must be recycled			
Environmental	Temperature	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 – FG: 1.5KVAC (2121 DC) O/P-FG: 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)	390K hours Compliance: MIL-HDBK-217F @ 25°C ambient temp.			
	Life Time (4)	56,000 hours @ 45°C ambient temp			
	Dimensions	(L*W*H) 188*93.9*44.5mm 7.4*3.7*1.75 inches			
	Weight	1300 g			



NOTES:

1. Measured at full load, 220VAC input and 25°C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth oscilloscope and the output paralleled a 0.1uf ceramic capacitor & 10 uf electrolytic capacitor.
3. Measured at 110VAC input, 80%load and 25°C of ambient temperature.
4. Measured at 220VAC input, 80%load and 45°C of ambient temperature.
5. Measured at full load, 110Vac input, 25°C ambient temperature, after the unit is thermally stabilized. It will be lower about 1%, if measured immediately after startup.
6. All parameters NOT specially mentioned are measured at 220VAC 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 variation or modifications to the base product, where X can be any alphanumeric character or blank

Mechanical Specification



PART NUMBER SCHEME

LEDWC-200Q035ST

LED= LED Driver

W= Wide Input Voltage 90~305V AC

C= Constant Current

T= Class I, 3 Wire Input

S= Metal Case

035= Rated Current

Q= Quad Output

200= Output Power (Watts)

