

Constant Voltage Triac dimmable driver---200W Series



Features

- Output constant voltage
- Universal AC input/ :180-250VAC
- Built-in active PFC function
- High efficiency :up to 86%
- Protections:short circuit/over loading/over temperature
- Full protection plastic housing
- Easy installation
- Cooling by free air convection
- Work with leading edge and trailing edge TRIAC dimmers
- Strong compatibility, flicker-free dimming
- Suitable for LED lighting and moving sign applications
- Compliance to worldwide safety regulations for lighting

Specification

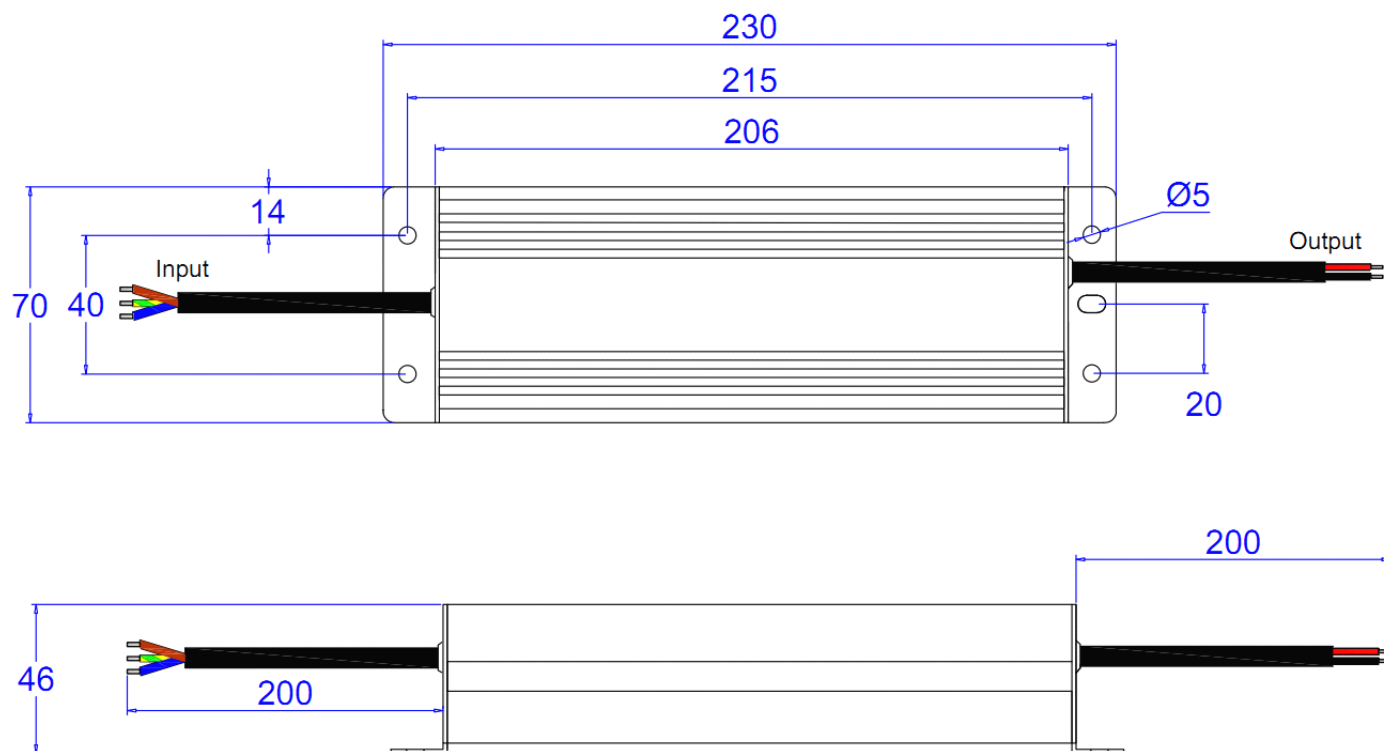
CE RoHS IP20 SELV

Model		KV-12200-TD	KV-24200-TD	KV-36200-TD	KV-48200-TD
output	DC Voltage	12V	24V	36V	48V
	Voltage Tolerance	$\pm 0.5V$			
	Rated current	16.6A	8.3A	5.6A	4.16A
	Rated power	200W			
input	Voltage Range	180~250VAC (or 90~130VAC)			
	Frequency Range	47~63HZ			
	Power Factor (Typ.)	PF \geq 0.6/220VAC			
	Efficiency (Typ.)	86%	88%	90%	90%
	AC Current (Typ.)	0.47A	0.45A	0.45A	0.44A
	Leakage current	< 0.70mA/220VAC			
Protection	Short Circuit	Hiccup mode, recovers automatically after fault condition is removed			
	Over Loading	$\leq 120\%$			
	Over temperature	100℃ \pm 10℃ (The output voltage will turn off when the temperature is higher then100℃ \pm 10℃, after the temperature drop off ,it will recovery)			
Environment	Working TEMP.	-40~+60℃			
	Working Humidity	20~90RH, non-condensing			
	Storage TEM.,Humidity	-40~+80℃, 10~95RH			
	TEMP.coefficient	$\pm 0.03\%/^{\circ}C$ (0~50℃)			
	Vibration	10~500Hz, 2G 10min./1 cycle,period for 60min. each along X,Y,Z axes			
Safety&EMC	Safety standards	EN61347-1 EN61347-2-13			
	Withstand voltage	I/P-O/P:3.75KVAC			
	Isolation resistance	I/P-O/P: 100M Ω /500VDC/25℃/70%RH			
	EMC EMISSION	EN55015, EN61000-3-2, 3 ($\geq 50\%$ loading)			
	EMC IMMUNITY	EN61000-4-2, 3, 4, 5, 6, 11 (Surge 4KV)			
Others	Net.Weight	1.3Kg			
	Size	230*70*46mm (L*W*H)			
	packing	329*279*176 10PCS			

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Notes	<ol style="list-style-type: none"> 1. All parameters if NOT specially mentioned are measured at 220VAC input , rated load and 25℃ of ambient temperature. 2. To extend the driver's using life ,please reduce the loading when start the drivers at lower input voltage. 3. Loading should be 60-100%
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■200W triac dimmable driver Mechanical Specification



※Input Brown with AC (L),Blue with AC(N)

※Output Red is (DIM+) ,Black is (DIM-)

※Note: Any other requests we can customized.

■Dimming Operation

※Output constant current level can be adjusted through input terminal of the AC phase line(L) by connection a triac dimmer.

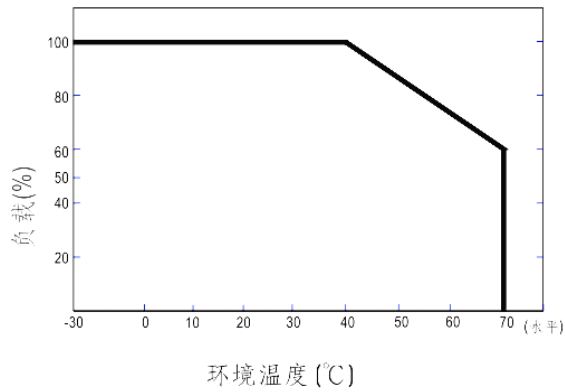
※Compatible with Leading edge or tailing edge triac dimmers.

※please try to use the small power dimmer, have access to a wider dimming range, high-power dimmer is difficult

to achieve the output current to zero

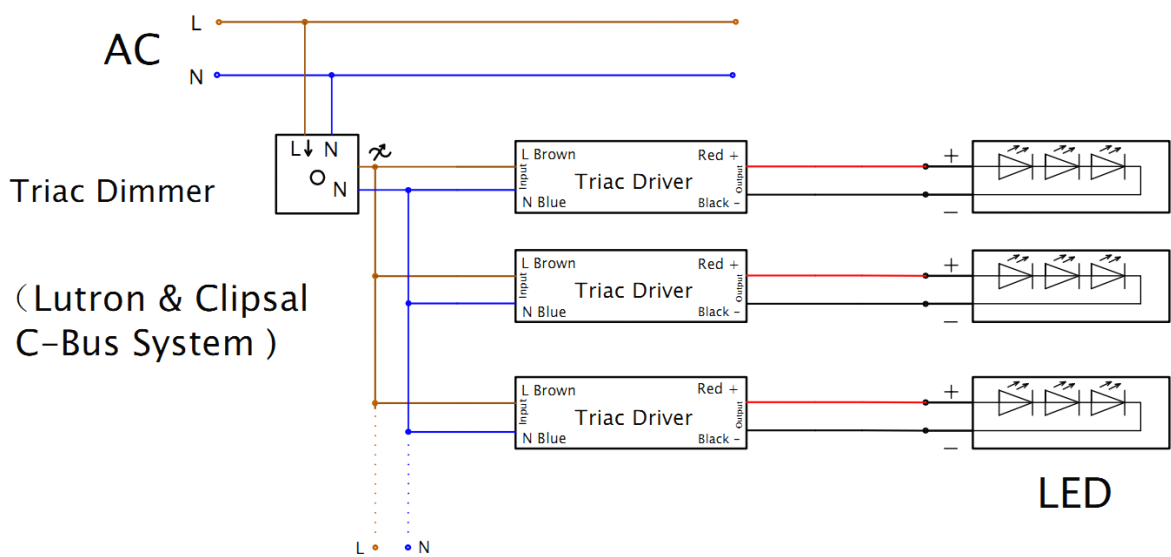
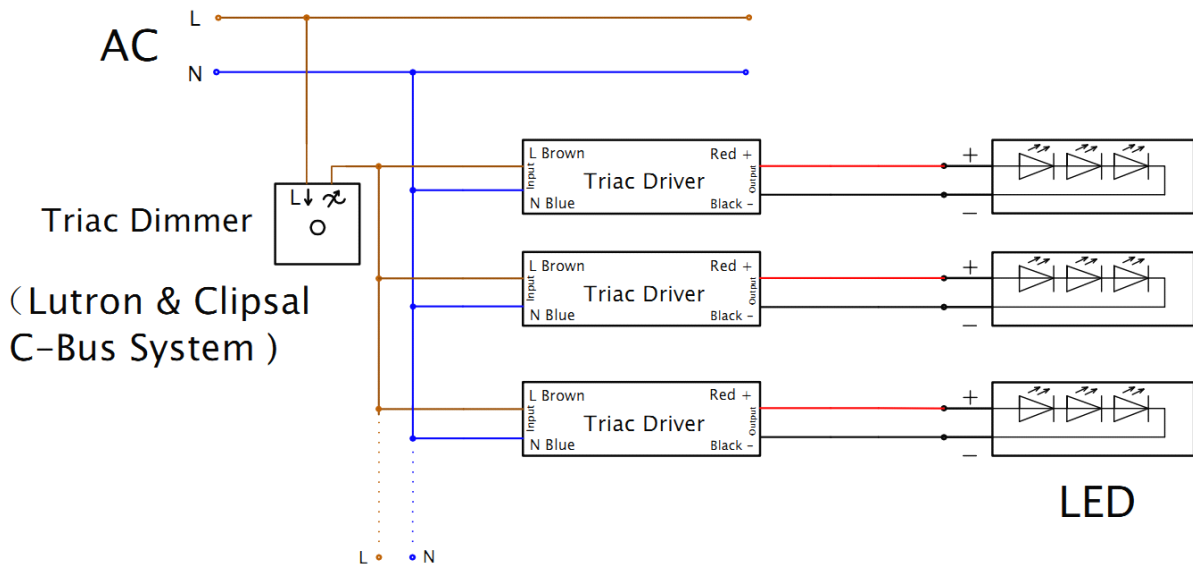
■Derating Curve

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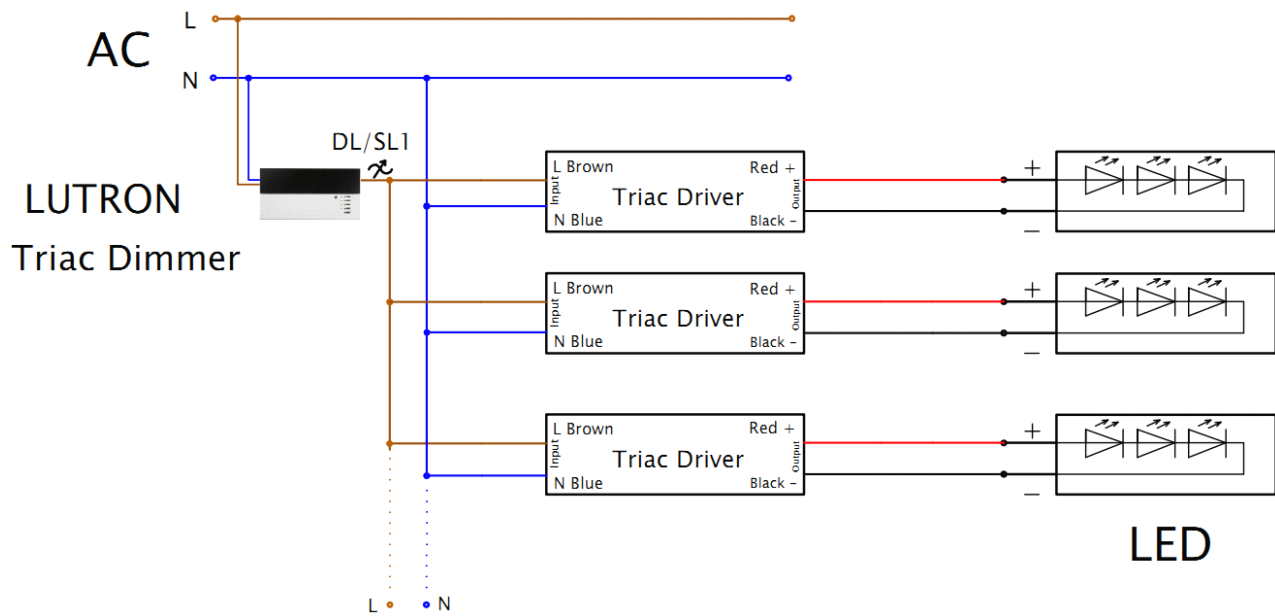


※To extend their life, please refer to the Derating Curve and derate according to the temperature.

■ Connecting Diagram



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