

## Features



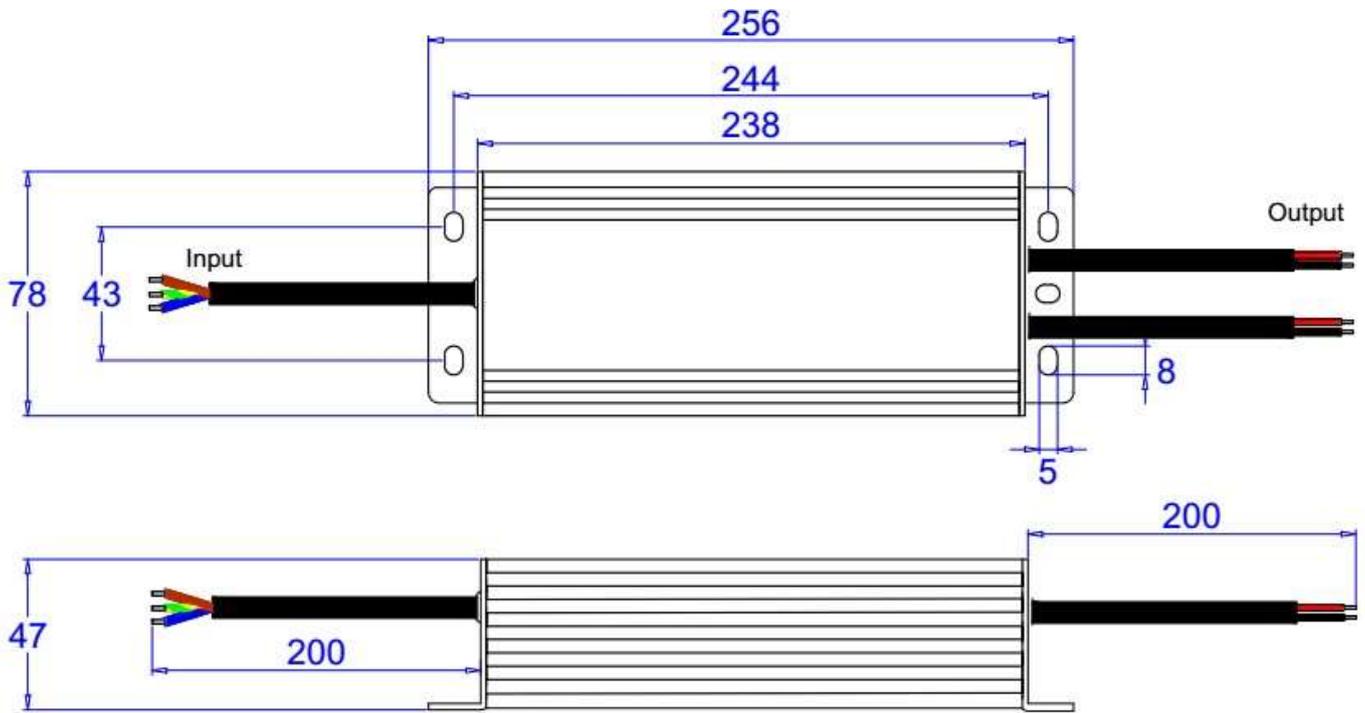
- Output constant voltage
- Universal AC input: 100-130VAC
- Power Factor: up to 0.65
- High Efficiency: up to 84%
- Protection: short circuit/over loading/over current/ Over temperature
- Full protection aluminum housing
- Easy installation
- Cooling by free air convection
- Compatible with Forward phase, Magnetic low voltage, Triac
  
- Strong compatibility, flicker-free dimming
- Suitable for LED lighting and moving sign applications and others
- Compliance to worldwide safety regulations for lighting

## Specification

Model		ETD12200	ETD24200	ETD36200	ETD48200
Certificates		ETL, cETL, FCC		ETL, cETL, FCC	
output	DC Voltage	12V	24V	36V	48V
	Voltage Tolerance	±0.5V			
	Rated current	16.66A	8.3A	5.56A	4.17A
	Rated power	200W			
input	Voltage Range	100~130VAC			
	Frequency Range	50~60HZ			
	Power Factor (Typ.)	PF≥0.65			
	Efficiency (Typ.)	83%	84%	84%	84%
	AC Current (Typ.)	3.2A	3.2A	3.2A	3.2A
	Leakage current	< 0.50mA/120VAC			
Protection	Short Circuit	Hiccup mode, recovers automatically after fault condition is removed			
	Over Current	≤1.2*I out			
	Over Loading	≤120%			
	Over temperature	100°C±10°C (The output voltage will turn off when the temperature is higher than 100°C±10°C, after the temperature drop off ,it will recovery automatic			
Environment	Working TEMP.	-40~+60°C			
	Working Humidity	20~90%RH, non-condensing			
	Storage TEMP	-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			
Safety& EMC	Safety standards	UL1012			
	Withstand voltage	I/P-O/P:1500VAC			
	Isolation resistance	I/P-O/P: 100MΩ/500VDC/25°C/70%RH			
	EMC EMISSION	FCC Part 15 B			
others	Net. Weight	1.45Kg		2.2 Kg	
	Size	256*78*47mm (L*W*H)		406*87*60mm (L*W*H)	
	packing	305*295*210mm 10PCS/CTN		445*350*205mm 10PCS/CTN	

Notes	<ol style="list-style-type: none"> <li>1. All parameters if NOT specially mentioned are measured at 120VAC input, rated load and 25°C of ambient temperature.</li> <li>2. To extend the driver's using life, please reduce the loading at lower input voltage.</li> <li>3. Loading should be 5-100%.</li> </ol>
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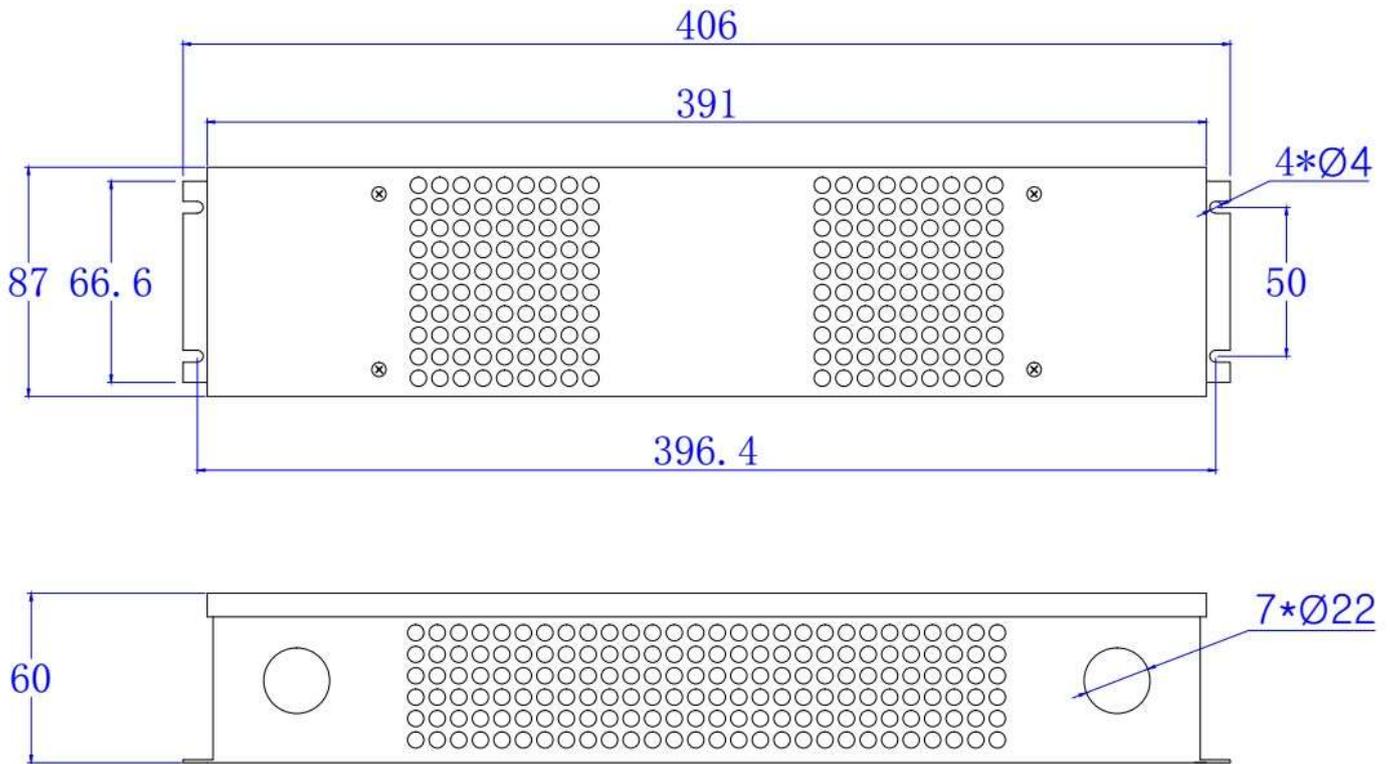
■ KVP series 200W Phase/Triac Dimmable driver Mechanical Specification



※ Input black(L) and white(N) wires to be connected AC, Green wire to be connected ground; output red and black wires to be connected led lighting.

■ Real picture & Mechanical Specification of 200W Phase/Triac Dimmable Driver with junction box





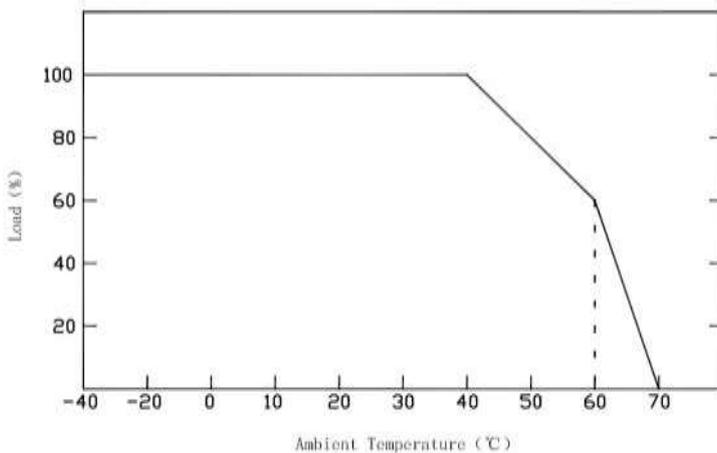
**■Dimming Operation**

- ※Output constant current level can be adjusted through input terminal of the AC phase line(L) by connection a phase/triac dimmer.
- ※for Forward phase, Magnetic low voltage and Triac Dimmers

**■Warning**

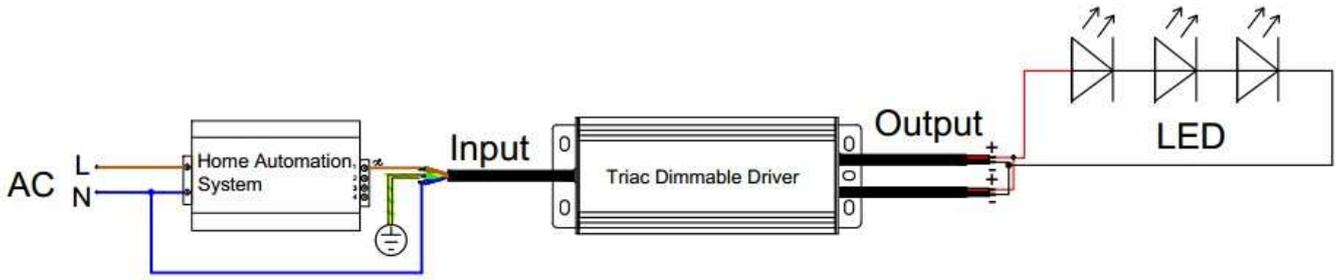
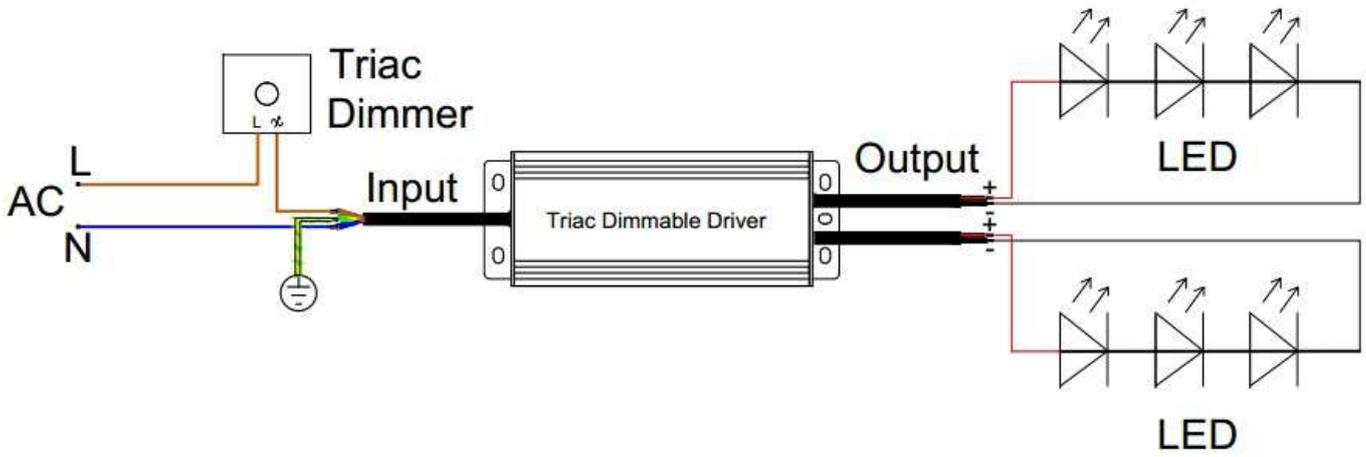
- ※Prevent to reverse polarity; Output polarity: RED "+"; BLACK "-"
- ※Risk of Electric Shock. When used outdoors, install only on a circuit protected by a Class A GFCI;
- ※Risk of Fire. Installation involves special wiring methods to run wiring through a building structure. Consult a qualified electrician;
- ※Risk of Electric Shock. Mount the unit at a height greater than 1 foot from the ground surface.

**■Derating Curve**



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

■ Connecting Diagram



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