

Constant Voltage Phase/Triac dimmable driver---120W series PWM output

■ Features



- Output constant voltage
- Universal AC input: 100-130VAC
- High efficiency :up to 86%
- 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 Dimmer
- Strong compatibility, flicker-free dimming
- Suitable for LED lighting and moving sign applications and others
- Provide with a junction box for connection to line voltage
- Suitable for indoor and outdoor location use, IP66



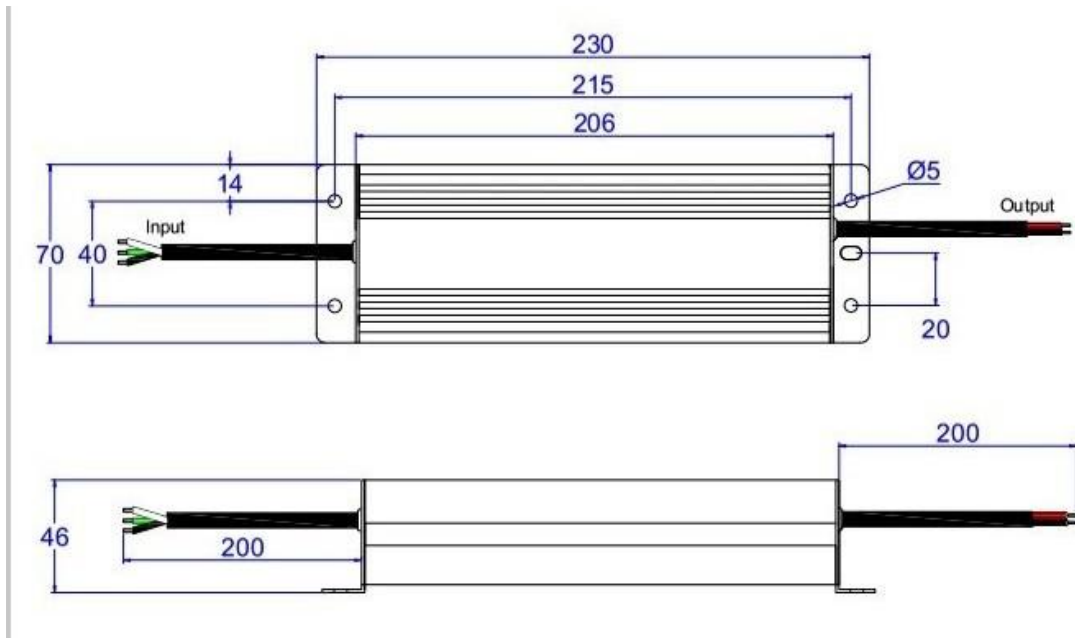
■ Specification

Model		KVP-12120-TDL	KVP-24120-TDL	KVP-36120-TDL	KVP-48120-TDL
Certificates		ETL,cETL,FCC	ETL,cETL,FCC	ETL,cETL,FCC	ETL,FCC
Output	DC Voltage	12V	24V	36V	48V
	Voltage Tolerance	±0.5V			
	Rated current	10A	5A	3.3A	2.5A
	Rated power	120W			
Input	Voltage Range	100 ~ 130VAC			
	Frequency Range	50 ~ 60HZ			
	Power Factor	0.65 (Full loading)			
	Efficiency (Typ.)	81%	83%	85%	86%
	AC Current (Max.)	2A	2A	2A	2A
	Leakage current	< 0.50mA/120VAC			
Protection	Short Circuit	Hiccup mode, recover automatically after fault condition is removed			
	Over Current	≤1.2*I out			
	Over Loading	≤120%			
	Over temperature	100℃±10℃ ,Shut down o/p voltage,recover automatically after temperature goes down.			
Environment	Working TEMP.	-40 ~ +60℃			
	Working Humidity	20 ~ 95%RH, non-condensing			
	Storage TEMP. Humidity	-40 ~ +80℃ , 10 ~ 95%RH			
	TEMP .coefficient	±0.03%/℃ (0 ~ 50℃)			
	Vibration	10 ~ 500Hz, 5G 12min./1 cycle,period for 72min. 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℃ /70%RH			
	EMC EMISSION	FCC Part 15 B			
Others	Net. Weight	1.2Kg		With junction 1.84Kg	
	Size	230*70*46mm (L*W*H)		380*77*57mm (L*W*H)	

Constant Voltage Phase/Triac dimmable driver---120W series PWM output

	packing	324*279*176mm 10PCS/CTN	415*360*190mm 10PCS/CTN
Notes	1. All parameters if NOT specially mentioned are measured at 120VAC input , rated load and 25℃ of ambient temperature. 2. To extend the driver's using life ,please reduce the loading at lower input voltage. 3.Loading should be 5-100%.		

■ Mechanical Specification for KVP series 120W Phase/Triac Dimmable driver



※ 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.

■ Dimming Operation

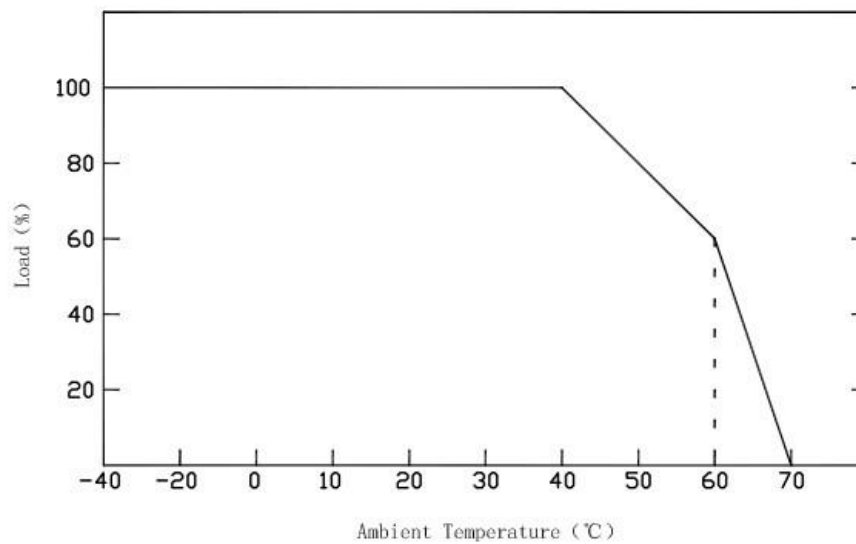
- ※ Output constant current level can be adjusted through input terminal of the AC phase line(L) by connection a phase/triac dimmer.
- ※ For forward phase,Magnetic low voltage and Triac Dimmer

■ 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.

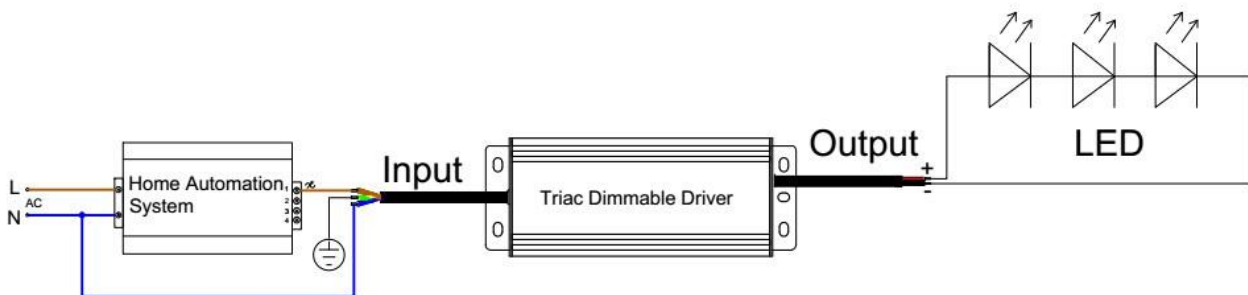
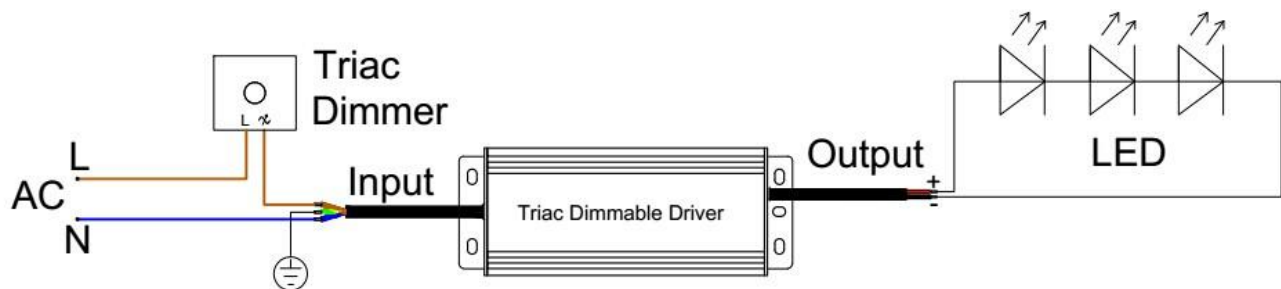
■ Derating Curve

Constant Voltage Phase/Triac dimmable driver---120W series PWM output



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

■ Single Driver Connecting Diagram



■ Multiple Drivers Connecting Diagram

Constant Voltage Phase/Triac dimmable driver---120W series PWM output

