

1854_Schaltnetzteil 36-60 Watt 12VDC 5,0A IP66 Triac dimmbar



Features

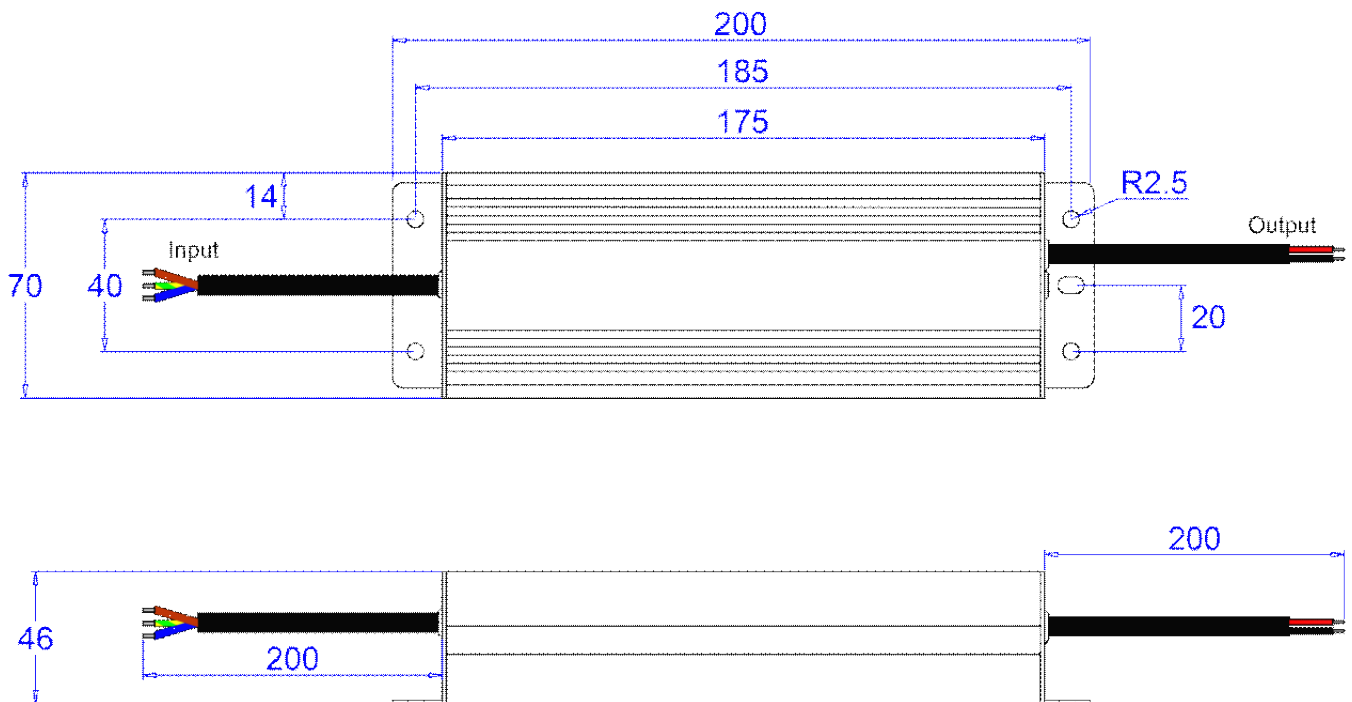
- Output constant voltage
- Range AC input/ :180-240VAC
- Built-in active PFC function
- High efficiency :up to 86%
- Protections:short circuit/over load/over current/over temperature
- Full protection aluminum housing easy installation
- IP66 design for outdoor installation
- Cooling by free air convection
- Work with leading edge and trailing edge TRIAC dimmers
- Strong compatibility, flicker-free dimming
- Suitable for LED lighting and moving sign applications

■ Specification

Model		KV-12060-TD	KV-24060-TD	KV-36060-TD	KV-48060-TD
Output	DC Voltage	12V	24V	36V	48V
	Voltage Tolerance	±0.5V			
	Rated current	5A	2.5A	1.66A	1.25A
	Rated power	60W			
Input	Voltage Range	180-240V AC			
	Frequency Range	47-63Hz			
	Power Factor	PF ≥ 0.98/180VAC PF ≥ 0.95/230VAC PF ≥ 0.95/240VAC (Full loading)			
	Full Load Efficiency(Typ.)	81%	84%	85%	86%
	AC Current(Max.)	0.43A	0.41A	0.41A	0.41A
	Leakage Current	<0.5mA			
Protection	Short Circuit	Protection type :Hiccup mode, recovers automatically after fault condition is removed			
	Over Load	≅ 120%			
	Over Circuit	≅ 1.2 * I out			
	Protection Class:	I			
	Over temperature	100 °C±10°C shut down o/p voltage ,re-power on to recover			
Environment	Working TEMP.	-40 - +60 °C			
	Working Humidity	20-95% RH,non-condensing			
	Storage TEM.,Humidity	-40 - +80 °C,10-90% RH			
	TEMP.coefficient	±0.03% / °C (0-50°C)			
	Vibration	10 - 500Hz, 5G 12min./1 cycle, period for 72min.each along X,Y,Z axes.			
Safety&EMC	Safety standards	EN61347-1 EN61347-2-13 IP66			
	Withstand voltage	I/P-O/P:3.75KVAC I/P-FG:1.88KVAC O/P-FG:0.5KVAC			
	Isolation resistance	I/P-O/P I/P-FG O/P-FG: 100M Ω /500VDC/25°C/70% RH			
	EMC Emission	EN55015,EN61000-3-2,3 (≅ 60%loading)			
	EMC Immunity	EN61000-4-2,3,4,5,6,11,EN61547,A light industry level (Surge 4KV)			
Others	Net.Weight	0.95 Kg			
	Size	200*70*46mm (L*W*H)			
	packing	329*279*176mm / 10PCS/ CTN			

Notes

1. All parameters NOT specially mentioned are measured at 230VAC input , rated load and 25°C of ambient temperature.
2. Tolerance: includes set us tolerance, line regulation and load regulation .
3. The power supply is considered as a component that will be operated in combination with final Equipment. Since EMC performance will be affected by the complete installation, the final equipment manufactures must be-qualify EMC Directive on the complete installation again

■Mechanical Specification

※Input Rubber cable H03VV-F 3G 1.0mm²,the green /yellow cable connect with (FG),Brown with AC (L),Blue with AC(N)

※Output Rubber cable H03VV-F2 1.0mm²,Red is output(V+) Positive,Black is output (V-) negative.Connected to LED Lamps.

※Please make sure you connect these correctly otherwise your product will not function correctly and could be damaged.

※Note: Any other requests we can customized.

■Dimming Operation

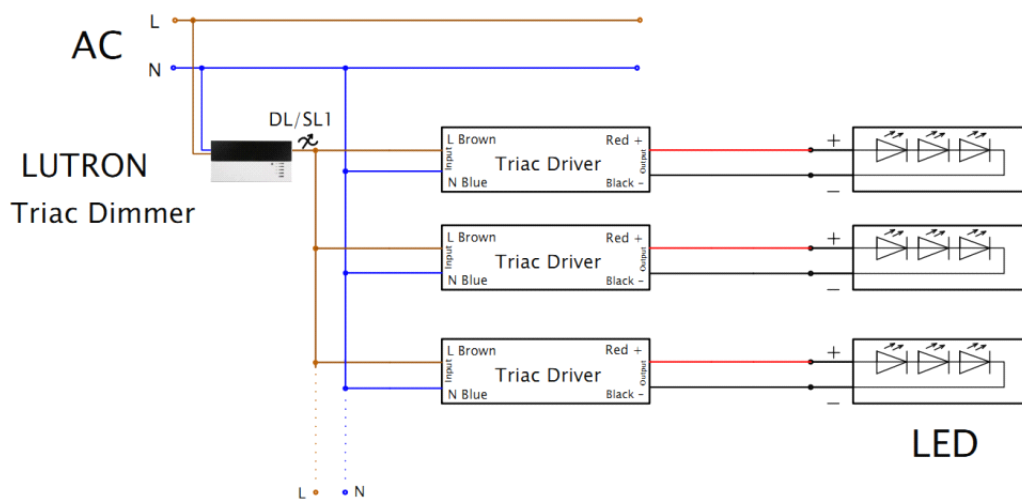
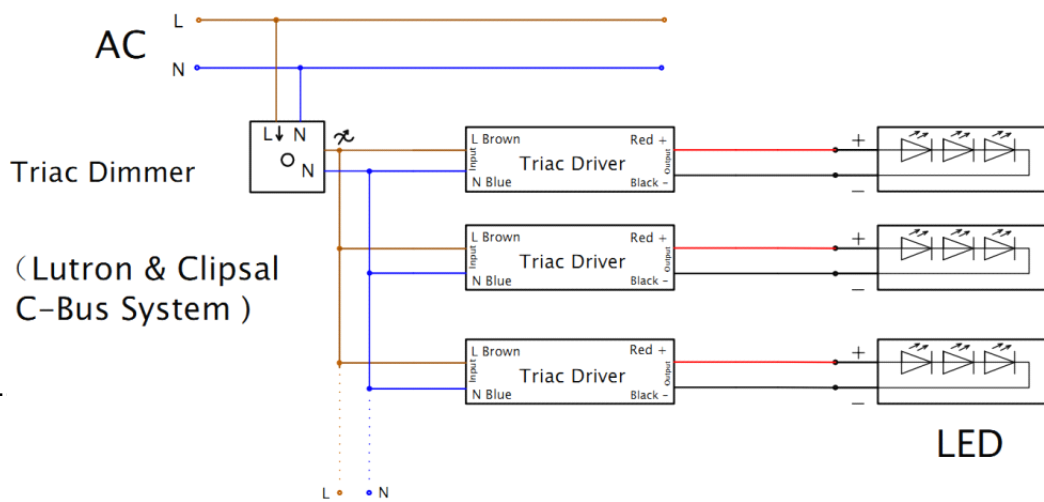
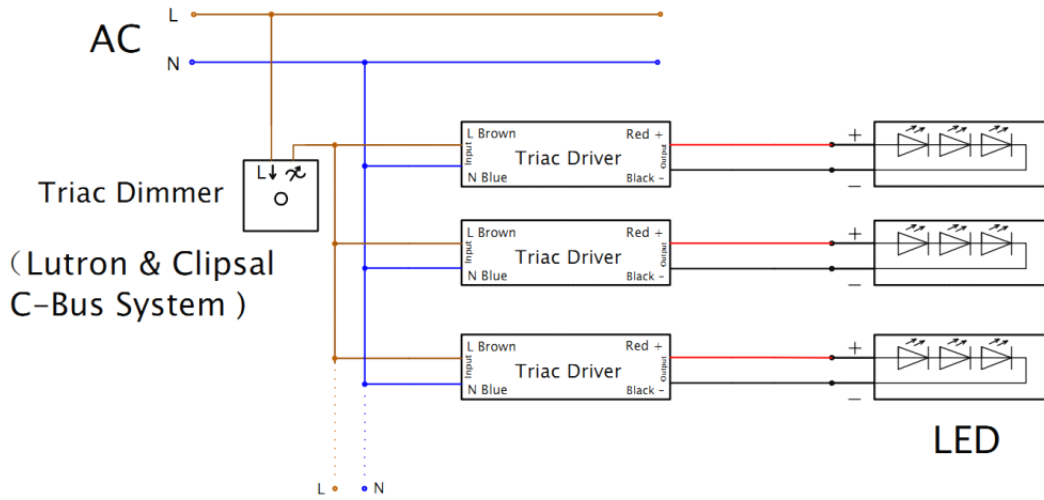
※Output constant current level can be adjusted through input terminal of the AC phase line(L) by connection a triac dimmer.

※Compatible with Leading edge and tailing edge triac dimmers.

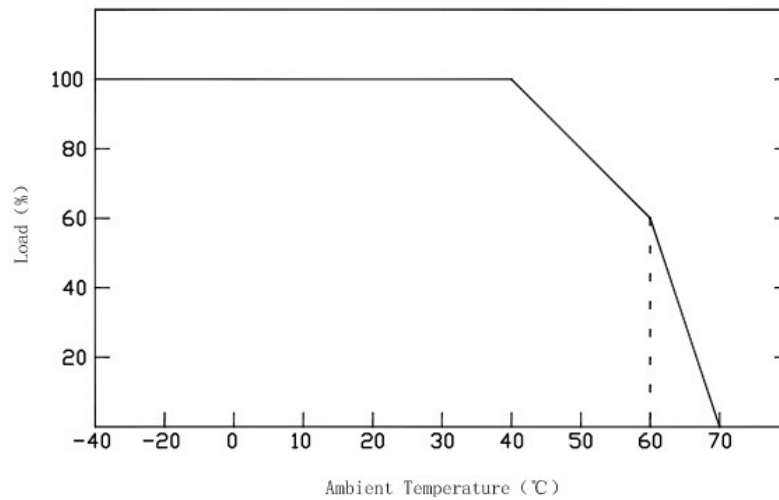
※please try to use the small power dimmer, have access to a wider dimming range, high-power dimmer is difficult to achieve the output current to zero

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■ Connecting Diagram



■ Derating Curve



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

■ Instruction

- 1) This driver should be installed by qualified and professional person;
- 2) Please make sure the transformer is installed with adequate ventilation around it allow for heat dissipation.
- 3) Ensure that wiring is correct before test in order to avoid light and power supply damage;