60W multi-current with dip switch Triac Dimmable CC LED driver

(Multi-output current with DIP switch adjustable） （10W,20W,40W,60W available)

■ Features:

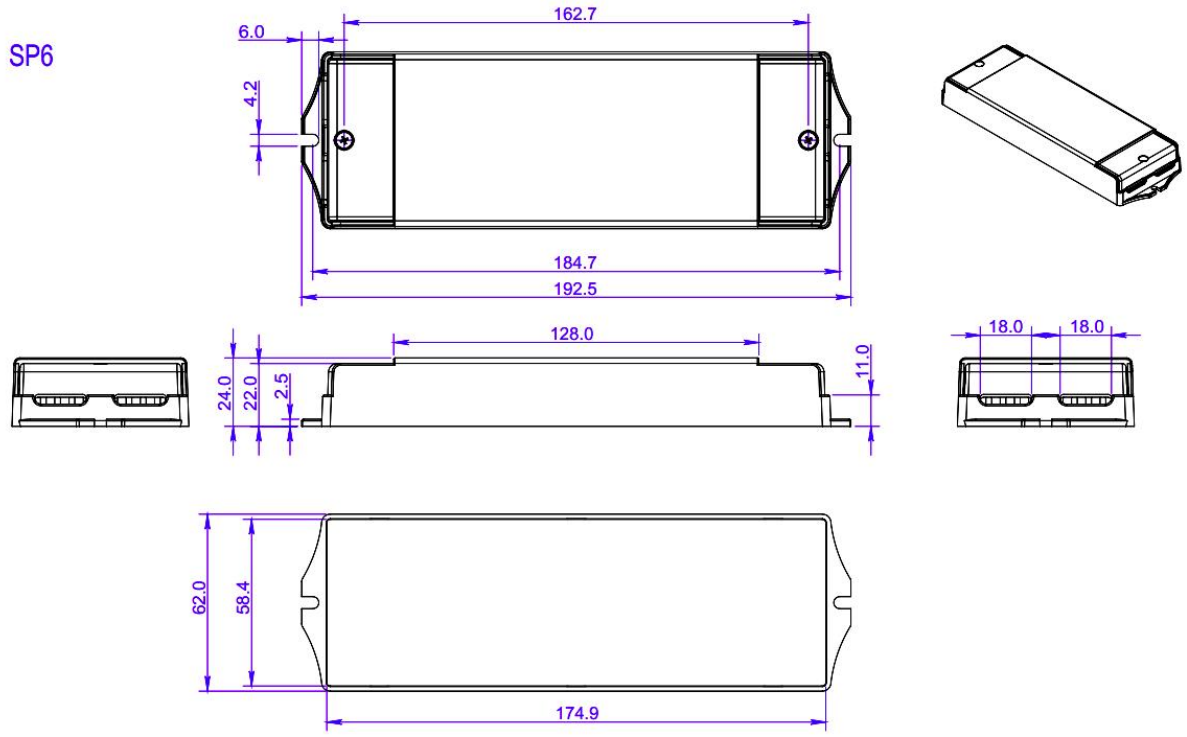
·Output constant current
·Range AC input :100-277VAC
·Efficiency up to 80%
·Built-in active PFC function
·Protections: short circuit/over current/over load
·Full protection plastic housing easy installation
·IP20 design for indoor installation/in dry&damp location
·Cooling by free air convection
·Dimming function: Triac/phase cut dimming
Work with leading or trailing edge Triac dimmer
(ON key: leading edge; 1 key: trailing edge)
·Strong compatibility, flicker-free dimming
·Suitable for LED lighting and moving sign applications
·UL Listed Class 2, Class P
·7 years warranty

Specification:

Model		SMT-M-060CT															
Output	Rated current (A)	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
	DIP Code	⊥⊥⊥⊥		⊥T⊥⊥		⊥⊥T⊥		⊥TT⊥		⊥TTT		⊥T⊥T		⊥⊥TT		⊥TTT	
	DIP Code		T⊥⊥⊥		TT⊥⊥		T⊥T⊥		TTT⊥		T⊥⊥T		TT⊥T		T⊥TT		TTTT
	Current Tolerance	±5%															
	DC Voltage (V)	3-65V				3-60	3-55	3-50	3-46	3-43	3-40	3-38	3-35	3-33	3-32	3-30	3-39
	Rated power (W)	39	45.5	52	58.5	60											
Input	Rated Input Voltage	110-277VAC															
	Rated Frequency	47-63HZ															
	Power Factor	Full loading ≥0.96@110VAC; ≥0.98@277VAC;															
	Efficiency (Typ.)	Full loading ≥81%@110VAC; ≥84%@277VAC;															
	AC Current (Max.)	0.45A															
	Inrush Current (Typ.)	30.4A, 37us @ 50% Ipeak at 110-277VAC															
	Leakage current	<0.50mA															
Protec-tion	Short Circuit	Constant current mode, recovers automatically after fault condition is removed															
	Over load	Hiccup mode, recovers automatically after fault condition is removed															
	Output No-Load Voltage	75V max.															
	Over temperature	Ambient temp. over 50±5℃, output current will be reduced to 50%;															

		Ambient temp. over 60±5℃, output will be off; recovers automatically after temp. drops.
	Protection Class:	II
Enviro-ment	Working TEMP.	-30-+60℃
	Working Humidity	20-90%RH, non-condensing
	Storage TEMP. Humidity	-30-+80℃,10-95%RH
	TEMP. coefficient	±0.03%/℃ (0-50℃)
	Vibration	10-500Hz, 2G 10min./1 cycle,period for 60min.each along X,Y,Z axes
Safety	Safety standards	EN61347-1 EN61347-2-13 UL8750
	Withstand voltage	I/P-O/P:3.75KVAC
	Isolation resistance	I/P-O/P:100MΩ/500VDC/25℃/70%RH
Others	Weight	0.30Kg
	Size	192.5x62x24mm(L*W*H)
	packing	290*215*140mm (20PCS/CTN)
Notes	1. All parameters NOT specially mentioned are measured at 110V,277VAC input, rated load and 25℃of ambient temperature. 2. Tolerance: includes set us tolerance, line regulation and load regulation.	

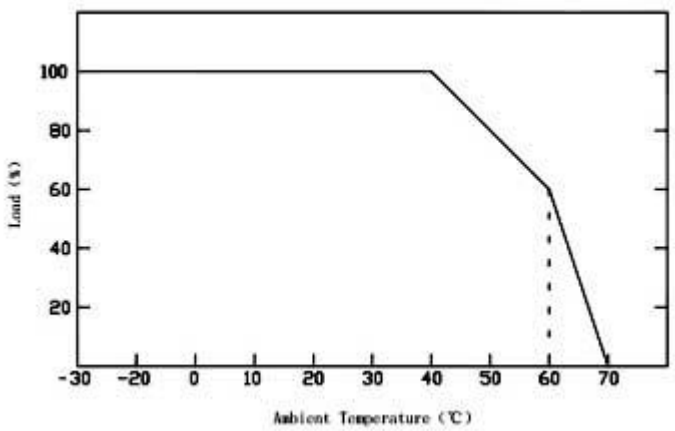
■Mechanical Specification:



- Input with DG126 terminals 3P: Live Wire AC (L), Neutral Wire AC(N)
- Output LED SEC with DG126 terminals 2P: output Positive (LED+), output negative (LED-). Connected to LED Lamps.
- Suggested wire diameter: Input 0.75-2mm^2; Output:0.5-2mm^2.

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

■ Derating Curve



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

■Dimming Operation

- Output constant current level can be adjusted through input terminal of the AC phase line(L) by connection a Triac dimmer.
- Usually matching with leading edge and trailing edge dimmer both.

At the input area, you will find dip switch on the terminal.

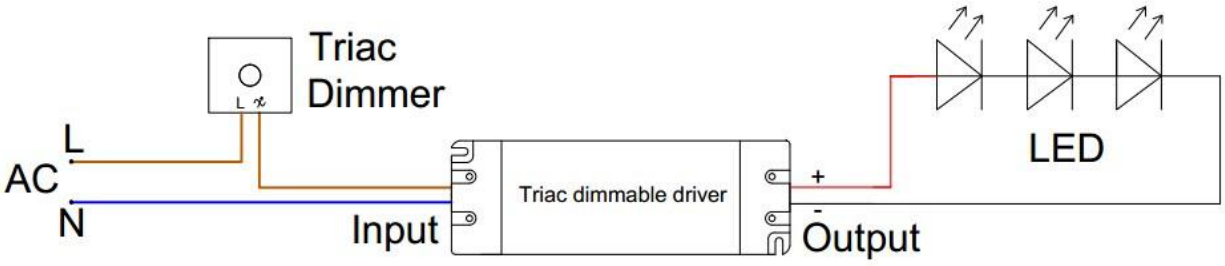
ON key for leading edge; 1 key for trailing edge. (see right picture)

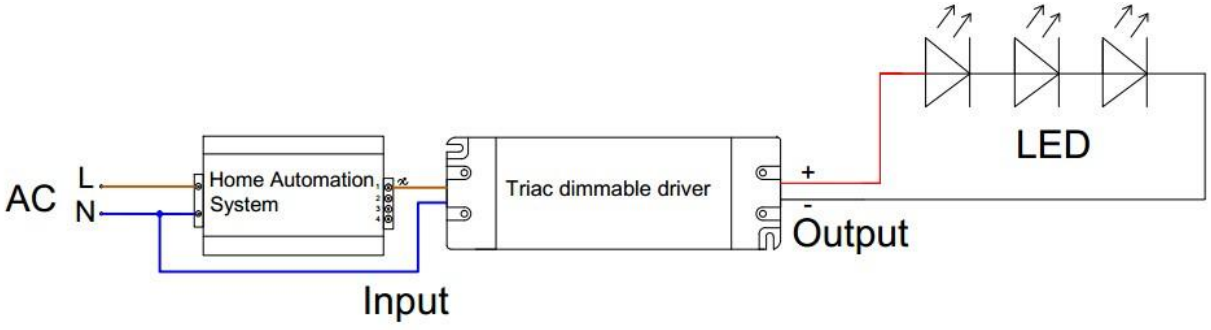
- please try to use the small power dimmer, have access to a wider dimming range,

high-power dimmer is difficult to achieve the output current to zero

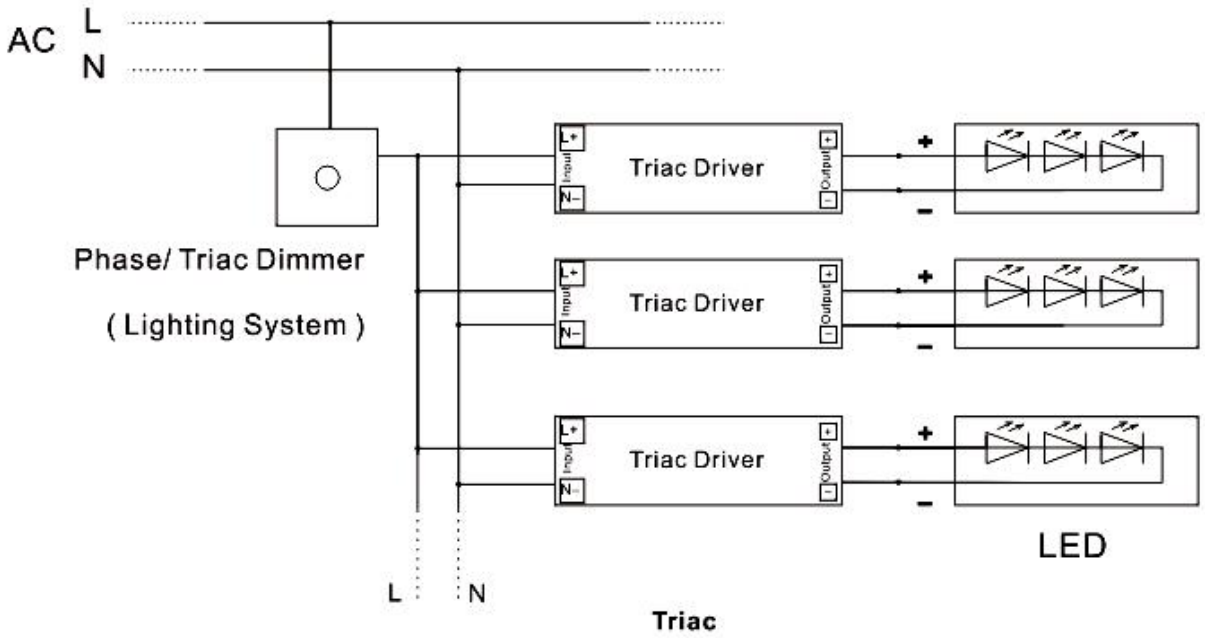
- please try to use dimmers with power at least 2 times as the output power of the driver.

■ Connecting Diagram in Single (I)





■ Connecting Diagram Multiple (II)



■ Instruction:

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