

A SERIES 60W

Triac/ELV/MLV Constant Voltage LED Driver



➤ Feature:

- Dimming: Triac/ ELV/ MLV
- UL LISTED, Class 2, Type HL
- 120Vac input
- Build in active PFC, typical power factor>0.98
- THD<20%@120V Max. load
- Constant voltage type
- Small size: 2.83x1.53x0.89 inch (L*W*H)
- Super low loading request, works perfect at 20-100% load.
- Short-circuit, over-load protection.
- Fully encapsulated with IP67 level.
- Dimming 0-100%
- Damp and dry location
- 5 years warranty

- Compatible with popular dimmers, such as Lutron-CL, Diva series and so on, in the market.

Application:

- LED strip/LED tape/LED module
- Residential Lighting
- Commercial Lighting

➤ Specification:

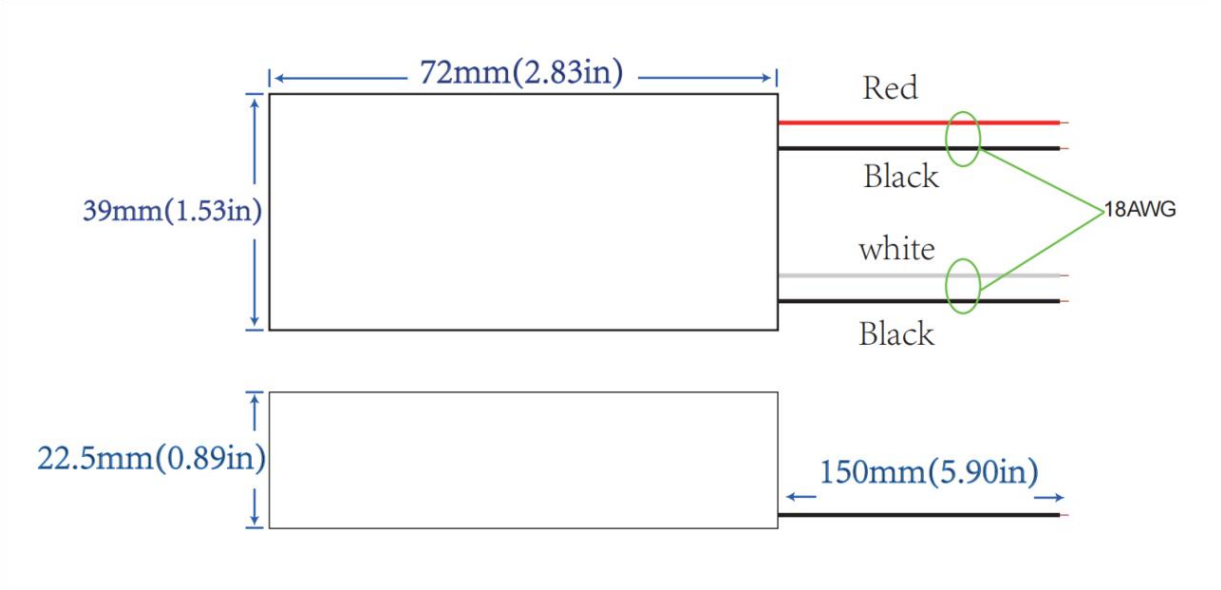
Model Number	SET-12060A	SET-24060A
Output Type		
Rated Power	60W	60W
Rated Voltage	12V	24V
Rated Current	5A	2.50A
Voltage Tolerance	$\pm 0.5V$	
Voltage Regulation	$\pm 0.5\%$	

Load Regulation	$\pm 1\%$
Input Type	
Voltage Range	100-130Vac
Frequency Range	47-63HZ
Efficiency (Typ.)	88%@120VAC
Total Harmonic Distortion	THD< 20%(@100% load)
Power Factor(typ.)	0.98@120VAC
AC Current (Typ.)	0.58A
Inrush Current(Typ.)	-
Leakage Current	<0.5mA/ 120VAC
PROTECTION	
Short Circuit	Hiccup mode, recovers automatically after fault condition is removed.
Over Load	Hiccup mode, recovers automatically after fault condition is removed.
ENVIRONMENT	
Working Temp.	Tcase=-40 ~ +60 (Please refer to “OUTPUTLOAD vs TEMPERATURE” section)
Working humidity	20 ~ 95% RH non-condensing
Storage temp., Humidity	-40 ~ +90, 10 ~ 95% RH
Temp .coefficient	$\pm 0.03\%/^{\circ}\text{C}$ (0~50 $^{\circ}\text{C}$)
Vibration	10~500Hz, 5G 10min./1 cycle,period for 60min. each along X,Y,Z axes
SAFETY & EMC	
Safety standards	UL8750, Class 2

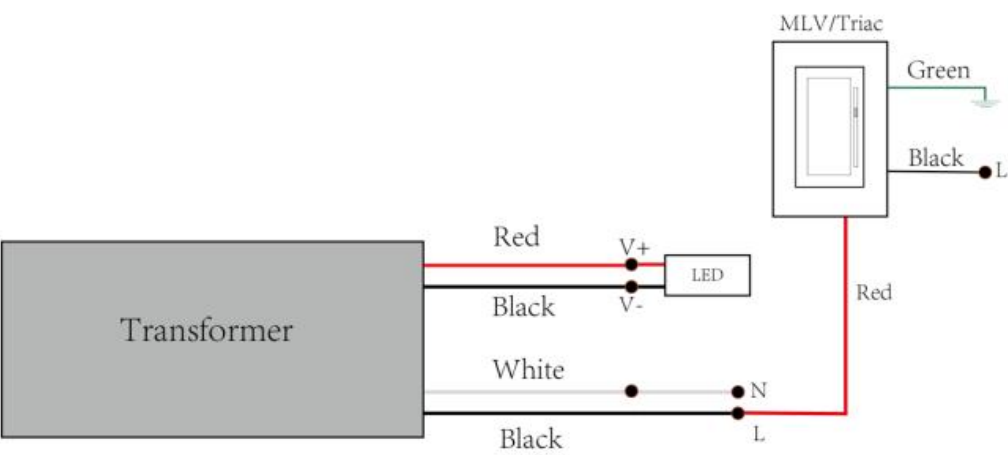
Safety standards	I/P-O/P:1.88KVAC
OTHERS	
Dimension	2.83x1.53x0.89 inch (L*W*H)
Packing	-

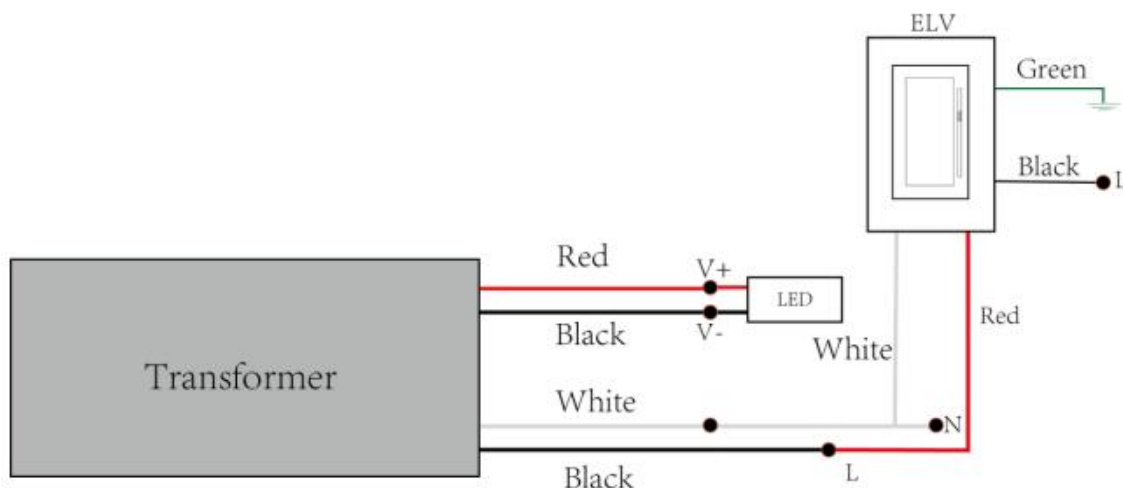
NOTE:
 All parameters if NOT specially mentioned are measured at 120VAC input voltage, rated current and 25℃of ambient temperature.

➤ **Mechanical Diagram**



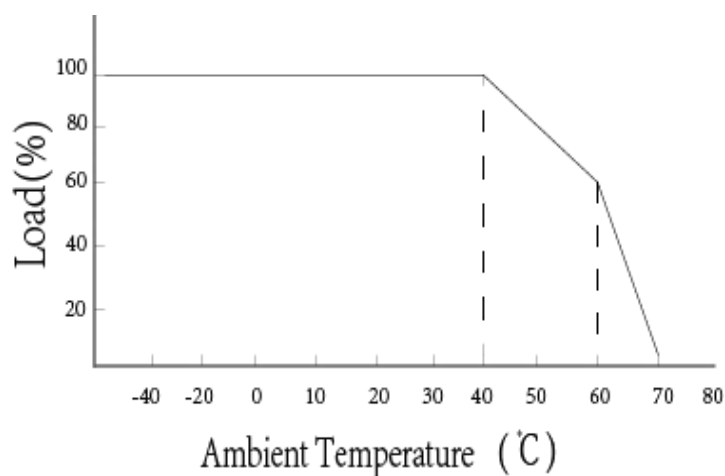
➤ **Wiring Diagram**





➤ Technology Curve:

Note: Load vs Ambient Temp. curve



➤ Industruction:

- 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;