

8500 Series 60W



Class 2 Class P TYPE HL SELV RoHS



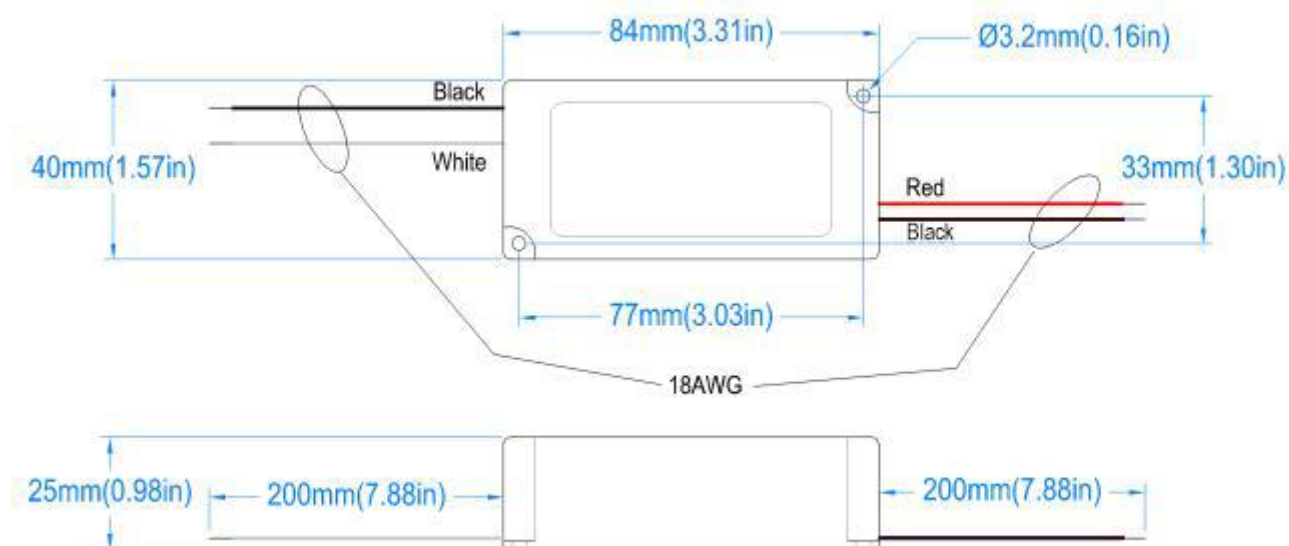
Features

Dimming function:	Electronic Transformer Triac/ ELV/ MLV dimming
Dimming range:	0-100%
Certificates:	UL listed, Class 2, Class P, Type HL, SELV, RoHS
Location of application:	Damp and dry location
Input:	120VAC
PFC design:	Built-in active PFC function, typical power factor=0.94
THD:	THD<20%@120V Max. load
Output type:	Constant voltage
Small size:	84x40x25 mm / 3.31x1.57x0.98 inch (L*W*H)
Loading:	Super low loading request, works perfect at 20-100% load
Protection:	Short-circuit, over-load protection
Compatibility:	Compatible with popular dimmers in the market, Lutron-CL, Diva series and so on.
Application:	• LED strip/ LED tape/ LED module • Residential Lighting • Commercial Lighting
Warranty:	3 years warranty

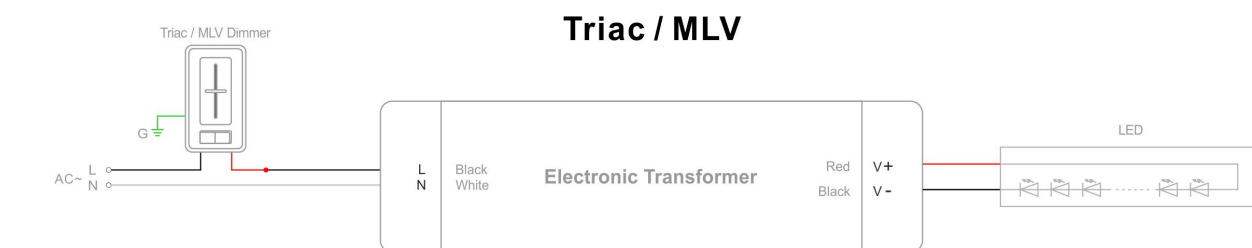
Specification

Model Number	8500-60W-12V	8500-60W-24V
OUTPUT		
Rated Power	60W	60W
Rated Voltage	12V	24V
Rated Current	5.0A	2.5A
Voltage Tolerance	±1V	
INPUT		
Voltage Range	120V	
Frequency Range	47-63Hz	
Power Factor(typ.)	0.94@120VAC	
Total Harmonic Distortion	THD< 20%(@100% load)	
Efficiency (Typ.)	88%@120VAC	
AC Current (Typ.)	0.75A	
Leakage Current	<0.5mA/ 120VAC	
PROTECTION		
Short Circuit	Hiccup mode, recovers automatically after fault condition is removed.	
Over Load	Reduce the output voltage and output power, auto-recovery or re-power on to recovery	
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	±0.03%/°C (0~50°C)	
Vibration	10~500Hz, 5G 10min./1 cycle,period for 60min. each along X,Y,Z axes	
SAFETY & EMC		
Safety standards	UL8750, Class 2	
Withstand voltage	I/P-O/P:1.88KVAC	
OTHERS		
Weight	0.17/kg	
Dimension	84x40x25 mm / 3.31x1.57x0.98 inch (L*W*H)	
Packing	28*21.5*19.5 cm (50PCS/CTN)	

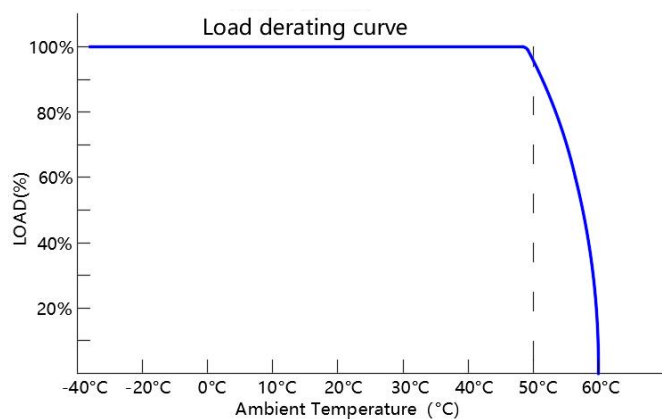
Mechanical Specification



Wiring Diagram



Load vs Ambient Temperature



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

Tips :All Electronic Transformer meet the harmonic emissions requirements of ANSI C82.77-10

Please feel free to contact us if you have any questions, we welcome your any advise or new idea!