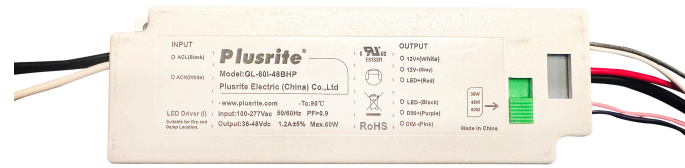


Product Feature

1. Isolated power supply, High PF, Low THD
2. Constant Current Output
3. Low output ripple
4. Efficiency reach 90%
5. 0/1-10V, PWM, resistance Dimming
6. The output is isolated from dimming, Dimming can be turned off
7. Lightning protection: Differential mode 4KV
8. SCP, OCP, OVP and OTP
9. B for dimming, H for 12V auxiliary power supply, P for three power G for Optical function



Input Characteristics

(Item)	(Min)	(Typ)	(Max)	(Remark)
Voltage	100Vac		277Vac	
Frequency	47Hz	50/60	63Hz	
I _{max}		0.65A		100Vac
PF	0.9	0.98		220Vac/50Hz
				100-277Vac/50Hz, 75-100%
THD		6%		220Vac/50Hz
			10%	100-277Vac/50Hz, 75-100%
Pin			65W	100Vac

Output Characteristics

(Item)	(Min)	(Typ)	(Max)	(Remark)
Rated Current			1.2A	
Output Voltage Range	36V		48V	48V
Open-circuit voltage		60V		
Rated Power		60W		
Efficiency		89%		120Vac@48Vdc

		90%		220Vac@48Vdc
Current accuracy	-5%		5%	
Run-up time		≤1S		120Vac@56Vdc
		≤1S		230Vac@56Vdc
Line regulation		< 5%		Rated output voltage
Load regulation		< 5%		Rated input voltage

Other performance

(Item)		(Min)	(Typ)	(Max)	(Remark)
12V Auxiliary Power Supply Function (optional)	Output Voltage	12.35V	13V	13.65V	
	Output Current		200mA		
Three color temperature	No.1		3500K		
	No.2		4000K		
	No.3		5000K		
Three power	No.1		60W		
	No.2		45W		
	No.3		30W		
Optical function	starting control		10Lux		
	turn-on delay		3S		
0-10V Dimming(optional)	Max.Voltage	0V		12V	
	Dim. Output	10%		100%	
	Dim. Range	1V		10V	
PWM Dimming(optional)	PWM high	3V		10.2V	
	PWM low	0V		0.7V	
	PWM freq.	400Hz		10KHz	
	PWM cycle	10%		100%	
Resistance Dimming(optional)	Ext. Value	2KΩ		20KΩ	
	Dimming Range	10%		100%	
Dimming can be turned off	shut down	3%	5%	7%	Based Voltage
	Turn on	5%	7%	9%	PWM Dimming Ratio

Environmental Requirements

(Item)	(Min)	(Typ)	(Max)	(Remark)
Tc	-40°C	25°C	90°C	
Lifetime		50000H		100% @Tc75°C
Tst	-40°C	25°C	90°C	
Operating Humidity	10%RH		90%RH	non-condensing
Store Humidity	5%RH		95%RH	
Pressure	70KPa		106KPa	

Safety&EMC

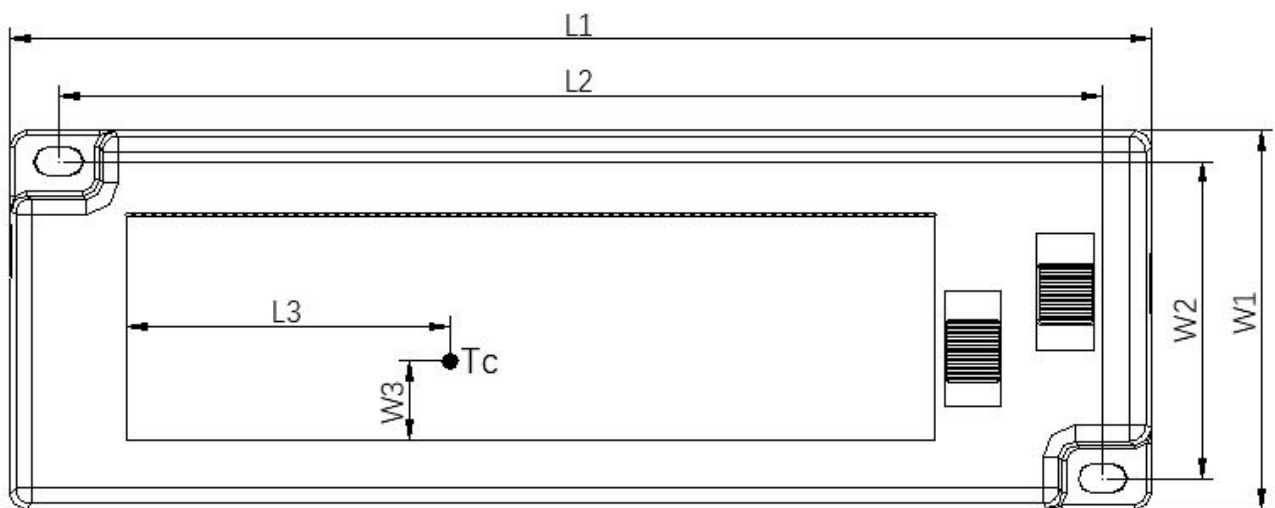
(Item)	(Standard)	(Remark)
Safety Standard	UL8750	
withstand voltage	(I/S)	1600Vac
	(O/S)	1600Vac
CE&RE	EN55015	
Surge	EN61000-4-5	L-N:4KV

Structure

(Item)	(TYP)	(Remark)
Weight	315g	
Size	141.4mm*47mm*31mm / 5.6"x1.85"x1.22"	L*W*H
Input Wire	1015/2*18AWG/L:Black/N:White	
Output Wire	1015/2*20AWG/V+:Red/V-:Black	
Dim Wire/CDS Wire/12V Wire	1569/4*22AWG/DIM+:Purple/DIM-:Grey/CDS:Red/12V+:Pink/12V-:White	

(2D Structure)

Description	Code	mm(In.)
Overall Length	L1	141.4(5.56)
Overall Width	W1	47(1.85)
Mounting Hole Length	L2	129.2(7.28)
Mounting Hole Width	W2	39.21(1.54)
Tc point Length	L3	40(1.57)
Tc point Width	W3	10(0.39)



(Wiring diagram)

