

Constant Voltage LED Driver

Model No.: PBL-60-12, PBL-60-24

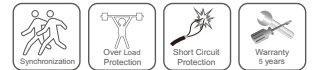
Features

- 100-240VAC Input
- 1 channel constant voltage output, Max. total output power 60W
- Ultra-thin design, light weight and high efficiency
- Over-load / Short circuit protection
- Suitable for indoor LED lighting application
- 5 Year, 50,000hr warranty



Applications

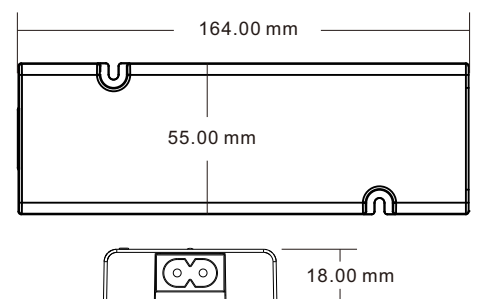
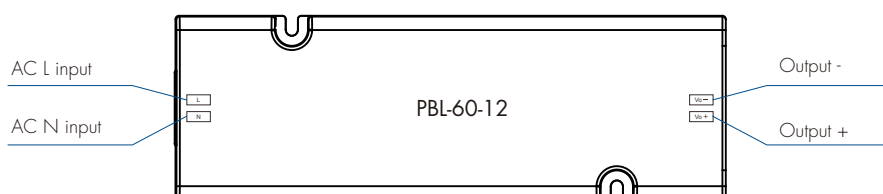
- Suitable for cabinet LED strip.



Technical Parameters

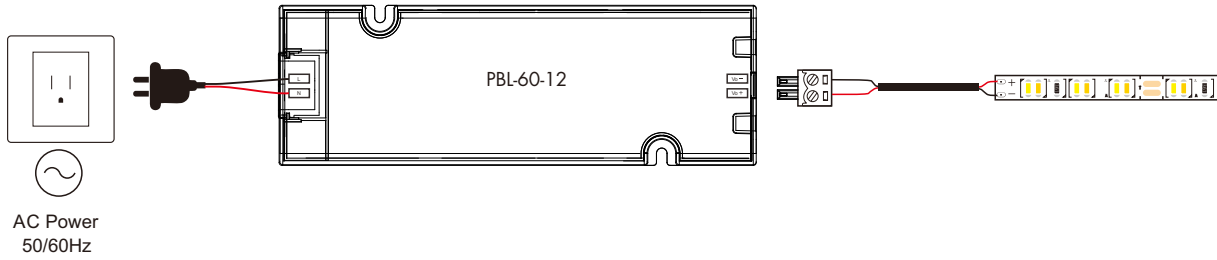
Model	PBL-60-12	PBL-60-24	
Output	Output Voltage	12VDC	24VDC
	Output Current	Max. 5.0A	Max. 2.5A
	Output Power	Max. 60W	
	Startup time	1S/230VAC, 2S/115VAC	
	Dimming Range	0~100%	
	Ripple & Noise	600mVp-p	
Input	Input Voltage Range	100~240VAC	
	Frequency Range	50/60Hz	
	Efficiency	88%	
	Alternating Current	1.0A/100VAC, 0.5A/230VAC	
	Power Factor	0.5	
	No Load Power	0.3W	
	Inrush Current	Cold start 38A	
	Anti Surge	L-N: 1KV	
Protection	Leakage Current	<0.75mA	
	Over Load	Shut down the output Voltage, when the load>=110%~140%, auto recovers.	
Environment	Short Circuit	Shut down the output Voltage, auto recovers	
	Working Temperature	-20°C~45°C	
	Tcase Max	75°C	
	Working Humidity	20%~90%RH, non-condensing	
	Storage Temperature/Humidity	-40°C~80°C, 10%~95%RH	
	Temperature Coefficient	±0.03%/°C (0-50%)	
	Vibration Resistance	10-500Hz, 2G, 6min/cycle, X,Y,Z axes/2min	
Safety&EMC	IP Rating	IP20	
	Security Specifications	IEC/EN61347-1, IEC/EN61347-2-13, GB19510.14	
	Withstand Voltage	I/P/O/P: 3750VAC	
	Insulation Resistance	I/P/O/P: 100MΩ/500VDC/25°C/70%RH	
	EMC Emission	EN61000-3-2 Class C, IEC61000-3-3	
	EMC Immunity	EN61000-4-2, 3.4.5.6.8.11, EN61547	
Others	Certifications	CE	
	Net weight	150g	
	Gross weight	170g	
NOTE	Size	164x55x18mm	
	All parameters NOT specially mentioned are measured at 230VAC input, rate current and 25 °C of ambient temperature.		

Mechanical Structures and Installations

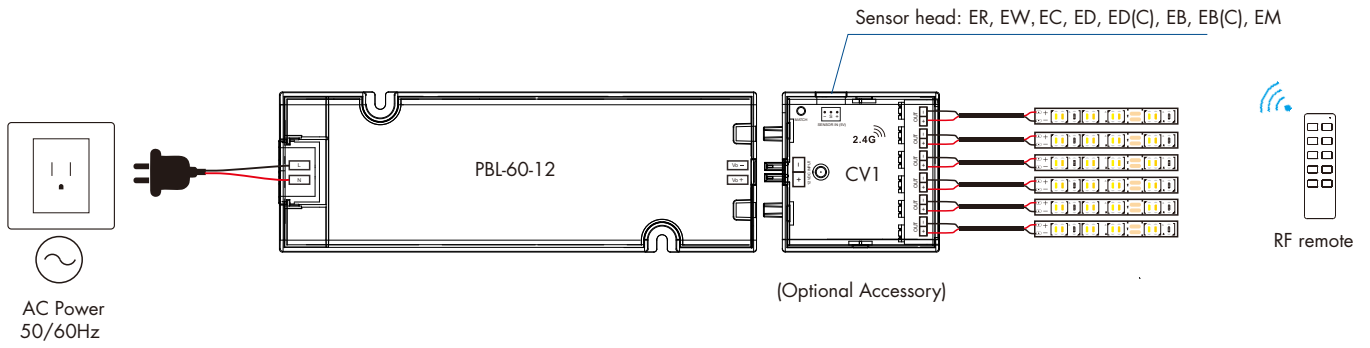


Wiring Diagram

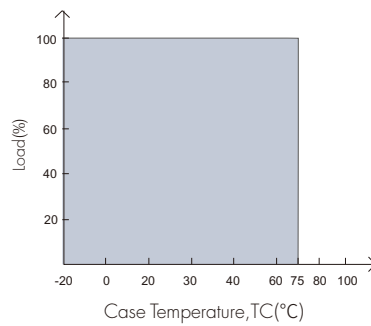
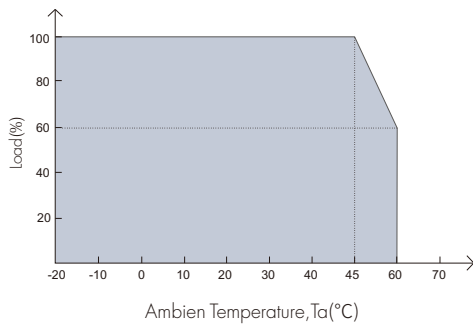
1. Without dimming



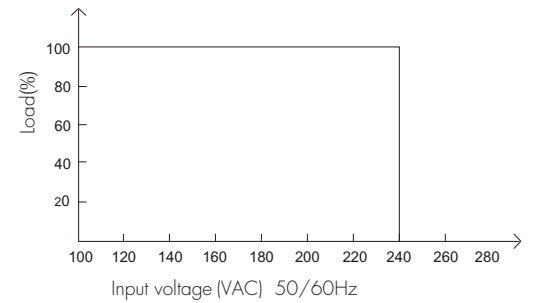
2. With dimming



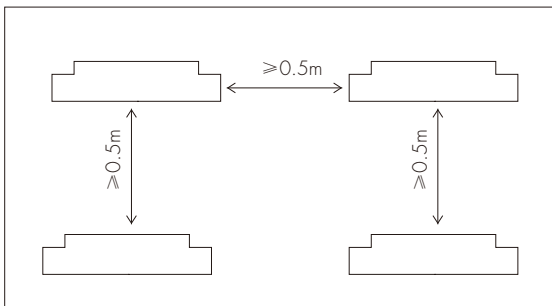
Output Load VS Temperature



Static characteristic



Installation precautions



Please do not stack the products.

The distance between two products should be $\geq 0.5m$, so as not to affect heat dissipation and lifespan of the products.