

# PBH-60-12, PBH-60-24

Sensor

## Constant Voltage LED Driver

- 90-264VAC Input
- Constant voltage output, Max. total output power 60W
- Built-in active PFC function: 0.95 Typ
- Ultra-thin design, light weight and high efficiency
- Over-load / Short circuit protection
- Suitable for indoor LED lighting application
- 5 Year, 50,000hr warranty



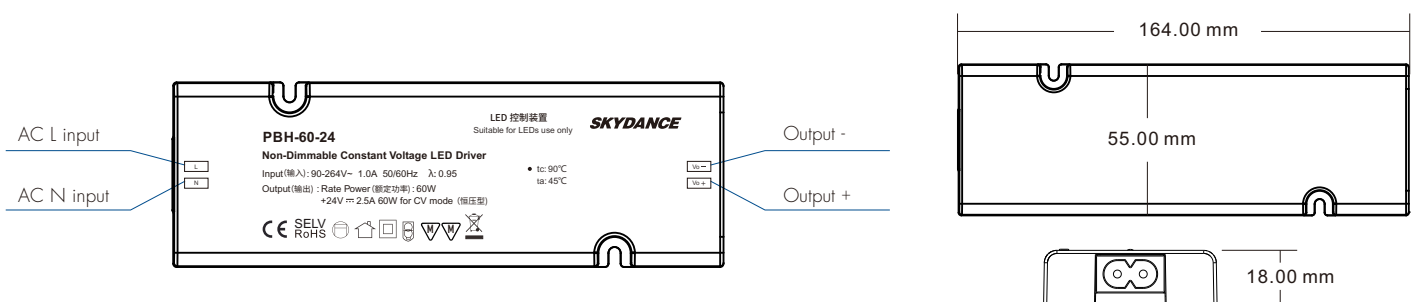
### Applications

- Suitable for cabinet LED strip.

### Technical Parameters

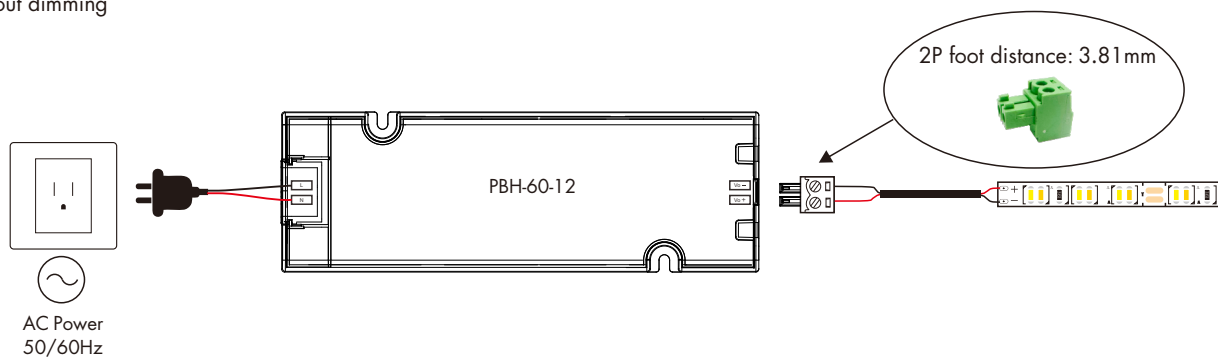
| Model        | PBH-60-12                                                                                                           | PBH-60-24                                                              |           |
|--------------|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|-----------|
| Output       | Output Voltage                                                                                                      | 12VDC                                                                  | 24VDC     |
|              | Output Current                                                                                                      | Max. 5.0A                                                              | Max. 2.5A |
|              | Output Power                                                                                                        | Max. 60W                                                               |           |
|              | Startup time                                                                                                        | 1s/230VAC, 1.5s/115VAC                                                 |           |
|              | Dimming Range                                                                                                       | 0~100%                                                                 |           |
|              | Ripple & Noise                                                                                                      | 500mVpp                                                                |           |
| Input        | Input Voltage Range                                                                                                 | 90~264VAC                                                              |           |
|              | Frequency Range                                                                                                     | 50/60Hz                                                                |           |
|              | Efficiency                                                                                                          | 85%                                                                    |           |
|              | Alternating Current                                                                                                 | 0.7A/100VAC, 0.3A/230VAC                                               |           |
|              | Power Factor                                                                                                        | 0.98                                                                   |           |
|              | No Load Power                                                                                                       | 0.3W                                                                   |           |
|              | Inrush Current                                                                                                      | Cold start 28A                                                         |           |
|              | Anti Surge                                                                                                          | LN:1KV                                                                 |           |
|              | Leakage Current                                                                                                     | <0.75mA                                                                |           |
| Protection   | Over Load                                                                                                           | Shut down the output Voltage, when the load>=110%~140%, auto recovers. |           |
|              | Short Circuit                                                                                                       | Shut down the output Voltage, auto recovers                            |           |
| Environment  | Working Temperature                                                                                                 | -20°C~45°C                                                             |           |
|              | Tcase Max                                                                                                           | 90°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                                                                                                           | IP42                                                                   |           |
|              | 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                                                                                                          | 250g                                                                   |           |
|              | Gross weight                                                                                                        | 270g                                                                   |           |
| Size         | 164x55x18mm                                                                                                         |                                                                        |           |
| NOTE         | All parameters NOT specially mentioned are measured at 230VAC input, rate current and 25 °C of ambient temperature. |                                                                        |           |

### Mechanical Structures and Installations

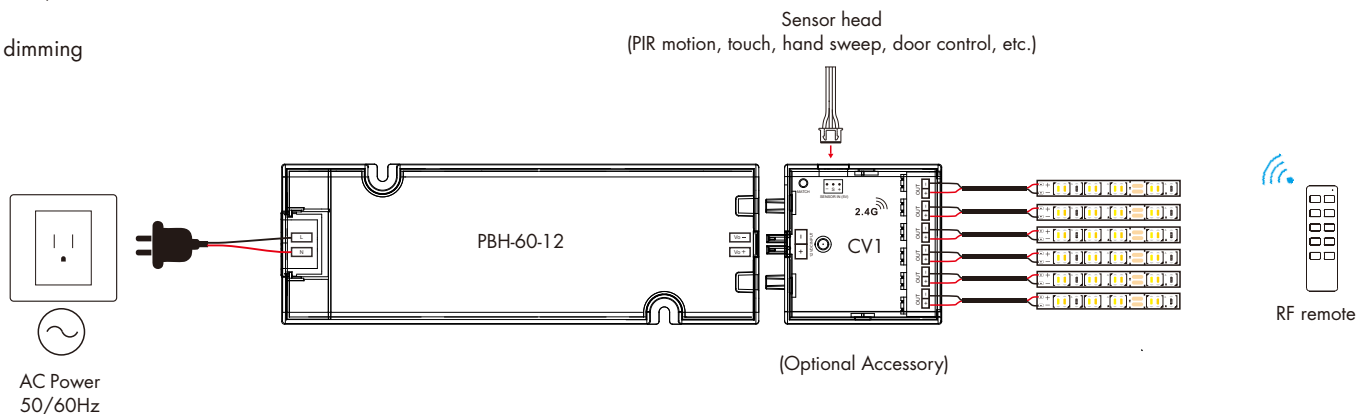


## Wiring Diagram

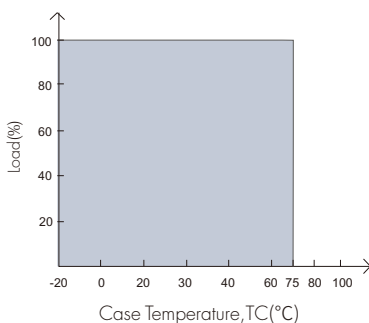
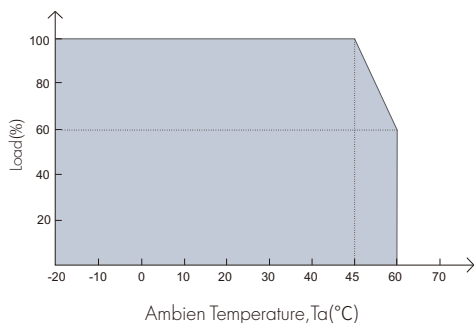
### 1. Without dimming



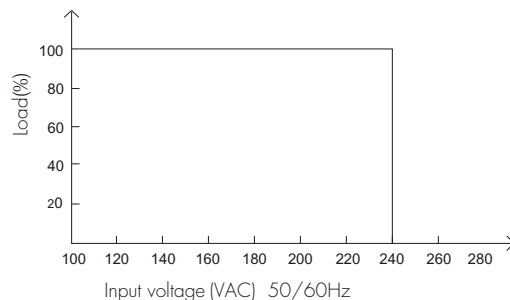
### 2. With dimming



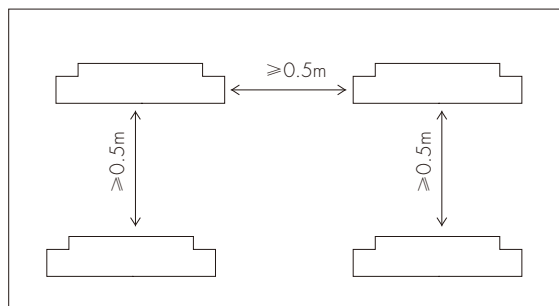
## Output Load VS Temperature



## Static characteristic



## Installation precautions

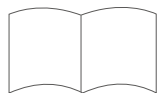


Please do not stack the products.  
The distance between two products should be  $\geq 0.5m$ ,  
so as not to affect heat dissipation and lifespan of the products.

## Packing List



LED Driver  
1 pcs



User Manual  
1 pcs



2P Terminal  
1 pcs



Accessories  
(screw 2 pcs)



Slotted  
screwdriver  
1 pcs



Power supply cable  
(Line length 1.5 meters)  
1 pcs