

**PE702TV 20W**

**RoHS SELV CE Class 2**



### Features:

1. Constant voltage thyristor dimming power supply dimming range 0-100%
2. Support leading edge tangent dimmer and leading edge dimming system
3. Support 0-10V / 1-10V / 10V PWM / 100k potentiometer dimming
4. No stroboscopic dimming, super compatible dimming power supply
5. Protection type: short circuit / overcurrent / overvoltage
6. Unique design, slow on and slow off function
7. Suitable for constant voltage LED lamp band and other applications
8. Meet SELV safety extra low voltage standard
9. 3 annual warranty

### Application:

1. Constant voltage lamp strip, hard lamp strip
2. Support front cut system dimming
3. Villa, high-end hotel and other applications
4. Ultra thin light box

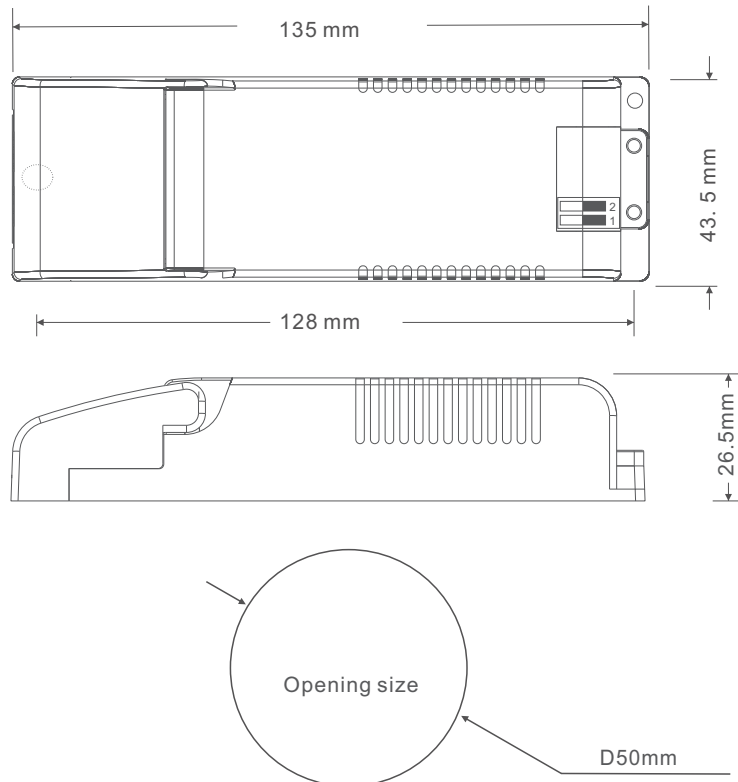
### General description:

1. It adopts CPU control and designs a variety of control modes. The dimming is slow on and off. The raw materials used are first-line brands and imported chip ultra deep dimming design, It matches a variety of intelligent dimming systems and dimmers on the market. The input pressure line design is convenient for installation

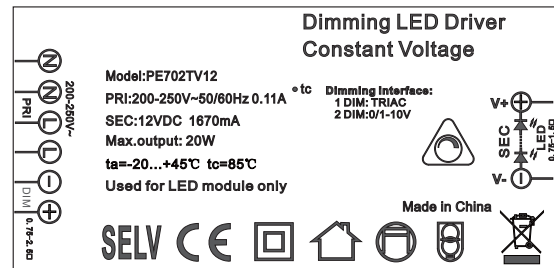
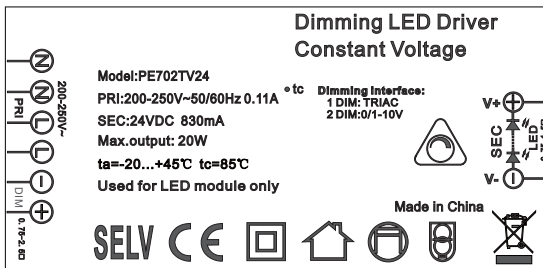
**Specification:**

Model		PE702TV24	PE702V12
OUTPUT	Output Voltage	24Vdc	12Vdc
	Output Current	830mA Max	1670mA Max
	Max Output Voltage	24Vdc $\pm 0.5v$	12Vdc $\pm 0.5v$
	Output Power	20W Max	20W Max
	Strobe Level	No flicker	
	Dimming Range	0~100%,	
	PWM Dimming Frequency	>3600K	
INPUT	Dimming Interface	Triac,0-10V/1-10V/10V PWM/100KResistor DIM	
	Input Voltage Range	200-250Vac	
	Frequency	50/60Hz	
	Input Current	<0. 2A	
	Efficiency(typ.)	83-85%	
	Inrush Current(typ.)	Cold start2A	
	Anti Surge	L-N: 1.8kV	
	Leakage Current	<0.5mA/230Vac	
ENVIRONMENT	Working Temperature	ta: 45°C tc: 85 °C	
	Working Humidity	20 ~ 95%RH, non-condensing	
	Storage Temp., Humidity	-40 ~ 80°C , 10~95%RH	
	Waterproof grade	IP40	
PROTECTION	Over Load Protection	Shut down the output when rated power $\geq 102\%$ , auto recovers.	
	Short Circuit Protection	Shut down automatically if short circuit occurs, auto recovers.	
	Non-load Protection	output Constant Voltage.	
SAFETY	Withstand Voltage	I/P-O/P: 3750Vac	
	Isolation Resistance	I/P-O/P: 100M $\Omega$ /500VDC/25°C/70%RH	
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11, EN61547	
	Strobe Test Standard	IEEE 1789	
OTHERS	Dimension	135×43.5×26.5mm(L×W×H)	
	Packing	PE bag	
	Weight(G.W.)	130±10g	

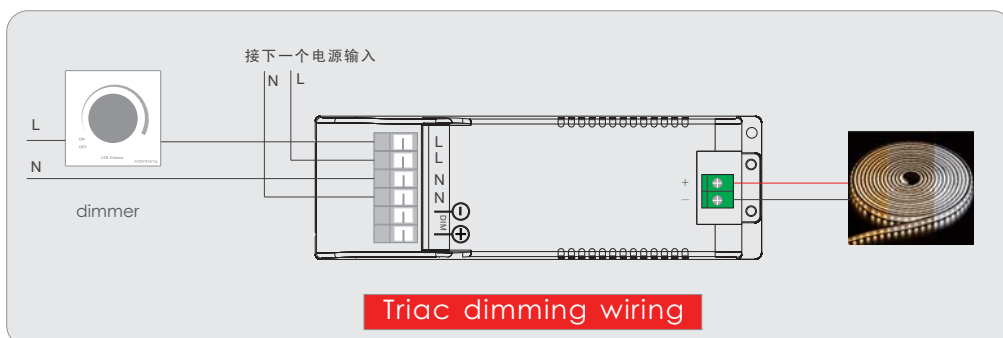
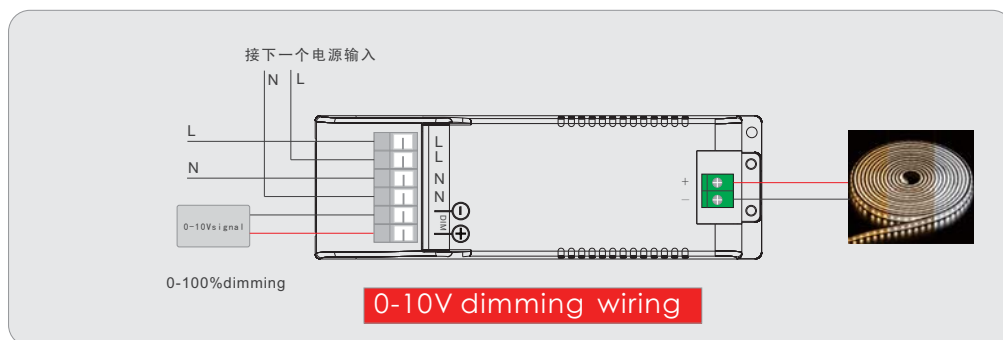
## Dimensions :



## Product Label:



## Wiring Diagram:



**Wiring:**

The input terminal: wire gauge 22AWG-14AWG (0.315mm<sup>2</sup> – 2.06mm<sup>2</sup>) wire stripping requirement: 9-10mm  
 The output terminal: wire gauge 22AWG-12AWG (0.315mm<sup>2</sup> – 3.15mm<sup>2</sup>) wire stripping requirement : 6-7mm.

**Compatibility:**

Dimming system Model	Wiring 1 sample	Wiring 2 samples	Wiring 3 samples	Dimmer Model	Wiring 1 sample	Wiring 2 samples	Wiring 3 samples	Dimmer Model	Wiring 1 sample	Wiring 2 samples	Wiring 3 samples
Leviton LNPWR-05B	NF	NF	NF	Creston DIN-1DIM4	NF	NF	NF	Panasonic WMY549	NF	NF	NF
Siemens SWG1 528-1DB01	NF	NF	NF	Schneide L5504D2A	NF	NF	NF	Siemens 5UH82223-NC01	NF	NF	NF
JOBO dimming system	NF	NF	NF	DAJIN DC-TG0405CP	NF	NF	NF	Simon 45E201	NF	NF	NF
DALITEK DM802	NF	NF	NF	Lite-Puter EDX-F0411	NF	NF	NF	OPPLE P068102	NF	NF	NF
Lutron QSGR-3P	NF	NF	NF		NF	NF	NF	CABLOFIL VRCM2	NF	NF	NF
ABB 6197/12-12-101-500	NF	NF	NF		NF	NF	NF	CDN X6-TG02	NF	NF	NF
Rmarks	Abbreviation: no flicker - NF, not compatible - NC, slight flicker - SL, flicker - F, strict flicker - SF										

Note: 1. due to the different power of dimmer and dimming system, the compatibility will be different. Before purchase, it needs to confirm with the business to ensure the best matching effect of the product.

2. It is recommended to use a leading edge dimmer power more than 500W.

**The use of guidance:**

Note:

\* \* 1: please pay attention to the distinction between input and output, connect correctly, then power on

\* \* 2: please connect first the load of the DC output, open the power supply after checking; in the constant current mode, if power on at open circuit, please turn off the power supply and can't connect the LED until the electric energy stored by the output release , or it may damage the LED;

\* \* 3: this type of power supply is only limited to the use of the LED lamps and lanterns, the input voltage range is AC200-250V, the heat insulation cotton and other items that obstruct the heat dissipation of the product, which conforms to the product under the Specified output voltage, current range, the use environment temperature is -20-45 degrees, and the surface can not cover the conditions of the environment, this product enjoys 3 years of free warranty.

**The abnormal conditions and the corresponding treatment methods:**

1, the LED lamp doesn't bright after the dimming driver is connected at the first time ,please turn off the AC input and check as follow:

- Whether or not DC output bad contact;
- Whether DC output polarity is reversed, or the LED board is welded anti;
- Whether AC input is bad contact; test after eliminating these failures.

2, the device has good connection, LED lights, but the LED flicker, please turn off the AC input, then check the DC output:

- overload, under load.
- Whether or not the parameters and actual parameters match.

3, please timely communicate with us if you any questions in the using, we will try our best to solve the problems with you.

**Statement:**

The pictures and specifications is for reference only, in kind prevail, specifications are subject to change with further notice.