

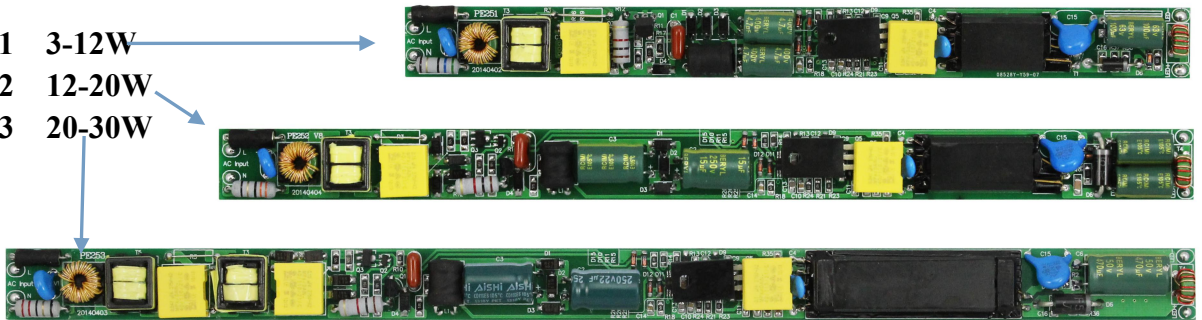


Product model:

PE251 3-12W

PE252 12-20W

PE253 20-30W



Description

PE252 LED TRIAC dimming driver is one of the high power driver of our company development. It use the high-efficient stable low-loss US chip , and other good performance electronic components , which make it with low-noise, energy-saving, long life and other characteristics

IHC original technology for the TRIAC dimming driver is leading in the industry .

Features:

- LED phase-cut dimming driver, dimming range 0-100%
- suitable for trailing edge phase cut MOSFET dimmer and leading edge phase cut TRIAC dimmer
- Isolated constant current $\pm 5\%$
- Active PFC: > 0.93
- Natural cooling
- No load safe protective device
- Overload ,open circuit& Short circuit protection
- Simple installation
- Measure up to the world lighting equipment safety standard
- Protection class II
- Two year warranty

1: IH1 : Intelligent Holding Current

IHC : suitable for different TRIAC dimmer , ensure the light smooth, stable and flicker-free within the dimming range 1to 100%

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Electrical features

● PE251 3-12W

Model No		PE251B 1225	PE251B 1230	PE251B 1235	PE251A 1225	PE251A 1230	PE251A 1235
output	Output power	10.5W	12.6W	12.25W	10.5W	12.6W	12.25W
	Constant voltage	25 - 42V	25 - 42V	21- 35V	25 - 42V	25 - 42V	21- 35V
	Constant current	250mA	300 mA	350mA	250mA	300 mA	350mA
	Constant current accuracy	±5% (220VAC)			±5% (AC110VAC)		
	Ripple and noise	500mVp-p					
	Starting time	<500mS					
input	Voltage range	200 - 240VAC		100-120VAC			
	Frequency range	47-63Hz					
	Power factor	PF>0.9					
	Efficiency (Typ.)	75%	75%	75%	75%	75%	75%
	Alternating current	0.08A / 220VAC		0.16A / 110VAC			
protectio n	Open circuit	Voltage limiting mode, the output voltage is the max					
	Short circuit	Hiccup mode, automatically recovery after remove the abnormal condition					
	Over current	Constant current limit					
	Over voltage	43V					
environ ment	Operating temperature	-20~ +65℃					
	Operating humidity	20-55%RH					
	Storage temperature humidity	-40~ 85℃ 10~55%RH					
	Temperature coefficient	±0.03%/℃(0-50℃)					
Safety and electrom agnetic compati bility	Safety standard	EN 61347-2-13:2006 /EN 61347-1:2008					
	Withstand voltage	I/P-O/P:3.75KVAC					
	Insulation resistance	I/P-O/P:100M Ohms / 500VDC /25℃/70%RH					
	Electromagnetic interface	EN55015					
	Harmonic current	EN6000-3-2/EN6000-3-3					
Other	Electromagnetic susceptibility	EN6000-4-2					
	Dimension	200*18*10(L*W*H)					
	Packing						



● PE252 12-20W

Model No		PE252B 2040	PE252B 2045	PE252B 2050	PE252A 2040	PE252A 2045	PE252A 2050
output	Output power	14.7W	18.9W	20W	14.7W	18.9W	20W
	Constant voltage	25 - 42V	25 - 42V	25- 40V	25 - 42V	25 - 42V	25- 40V
	Constant current	350mA	450 mA	500mA	350mA	450 mA	500mA
	Constant current accuracy	±5% (220VAC)			±5% (AC110VAC)		
	Ripple and noise	500mVp-p					
	Starting time	<500mS					
input	Voltage range	200 - 240VAC			100-120VAC		
	Frequency range	47-63Hz					
	Power factor	PF>0.9					
	Efficiency (Typ.)	75%	75%	75%	75%	75%	75%
	Alternating current	0.12A / 220VAC			0.24A / 110VAC		
protect ion	Open circuit	Voltage limiting mode, the output voltage is the max					
	Short circuit	Hiccup mode, automatically recovery after remove the abnormal condition					
	Over current	Constant current limit					
	Over voltage	43V					
enviro nment	Operating temperature	-20~ +65℃					
	Operating humidity	20-55%RH					
	Storage temperature humidity	-40~ 85℃ 10~55%RH					
	Temperature coefficient	±0.03%/℃(0-50℃)					
Safety and electro magnet ic compat ibility	Safety standard	EN 61347-2-13:2006 /EN 61347-1:2008					
	Withstand voltage	I/P-O/P:3.75KVAC					
	Insulation resistance	I/P-O/P:100M Ohms / 500VDC /25℃/70%RH					
	Electromagnetic interface	EN55015					
	Harmonic current	EN6000-3-2/EN6000-3-3					
	Electromagnetic susceptibility	EN6000-4-2					
Other	Dimension	250*18*10(L*W*H)					
	Packing						



● PE253 20-30W

Model No		PE253 B3055	PE253 B3060	PE253 B3065	PE253 B3070	PE253 A3055	PE253 A3060	PE253 A3065	PE253 A3070	
output	Output power	23.1W	25.2W	27.3W	29.4W	23.1W	25.2W	27.3W	29.4W	
	Constant voltage	25 - 42V	25 - 42V	25- 42V	25- 42V	25 -42V	25- 42V	25- 42V	25- 42V	
	Constant current	550mA	600 mA	650mA	700mA	550mA	600 mA	650mA	700mA	
	Constant current accuracy	±5% (220VAC)				±5% (AC110VAC)				
	Ripple and noise	500mVp-p								
	Starting time	<500mS								
input	Voltage range	200 - 240VAC				100-120VAC				
	Frequency range	47-63Hz								
	Power factor	PF>0.9								
	Efficiency (Typ.)	75%	75%	75%	75%	75%	75%	75%	75%	
	Alternating current	0.18A / 220VAC				0.36A / 110VAC				
protection	Open circuit	Voltage limiting mode, the output voltage is the max								
	Short circuit	Hiccup mode, automatically recovery after remove the abnormal condition								
	Over current	Constant current limit								
	Over voltage	43V								
environment	Operating temperature	-20~ +65℃								
	Operating humidity	20-55%RH								
	Storage temperature humidity	-40~ 85℃ 10~55%RH								
	Temperature coefficient	±0.03%/℃ (0-50℃)								
Safety and electromagnetic compatibility	Safety standard	EN 61347-2-13:2006 /EN 61347-1:2008								
	Withstand voltage	I/P-O/P:3.75KVAC								
	Insulation resistance	I/P-O/P:100M Ohms / 500VDC /25℃/70%RH								
	Electromagnetic interface	EN55015								
	Harmonic current	EN6000-3-2/EN6000-3-3								
	Electromagnetic susceptibility	EN6000-4-2								
Other	Dimension	300*18*10(L*W*H)								
	Packing									



4. Instruction

Most of the dimmer is single wire system in the market, only connect to the power line L of the driver output terminal to achieve dimming.

Note:

- ★★1. Please note the input and output, confirm the wires are right then electrify.
- ★★2. First connect the load of the DC output terminal, confirm it is right then electrify; if it is open circuit please turn off the power, wait for the electrical release, then put on the LED, or it will burn out the LED.
- ★★3: Must be hold with special insulating bush before installed into the fluorescent tube during installation
- ★★4: after completion of the incoming material inspection, the capacitance on the PCB must discharge, and the PCB cannot be stacked together to prevent short circuit to burnout the components

5.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:

- a) Whether or not DC output bad contact;
- b)Whether DC output polarity is reversed, or the LED board is welded anti;
- c)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:

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

3, please timely communicate with us if you any questions in the using, we will help you to solve

6.Statement

The pictures and specifications is for reference only