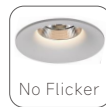
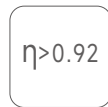




PE-TL250DV **250W**

PE-TL300DV **300W**

IP42 RoHS SELV CE



Features:

1. Standard DALI dimming interface.
2. DALI2 certificate, DALI member
3. No Flicker dimming, super compatible dimming power supply
4. Protection type: short circuit / overcurrent / overvoltage
5. Aluminum alloy shell, fast heat dissipation
6. Unique design, slow on and slow off function
7. Suitable for constant voltage LED strip light and other applications
8. Meet SELV safety extra low voltage standard
9. 5years warranty

Application:

1. LED Strip light
2. Villa intelligent lighting
3. It can be connected to Dali intelligent lighting system
4. Museum lighting

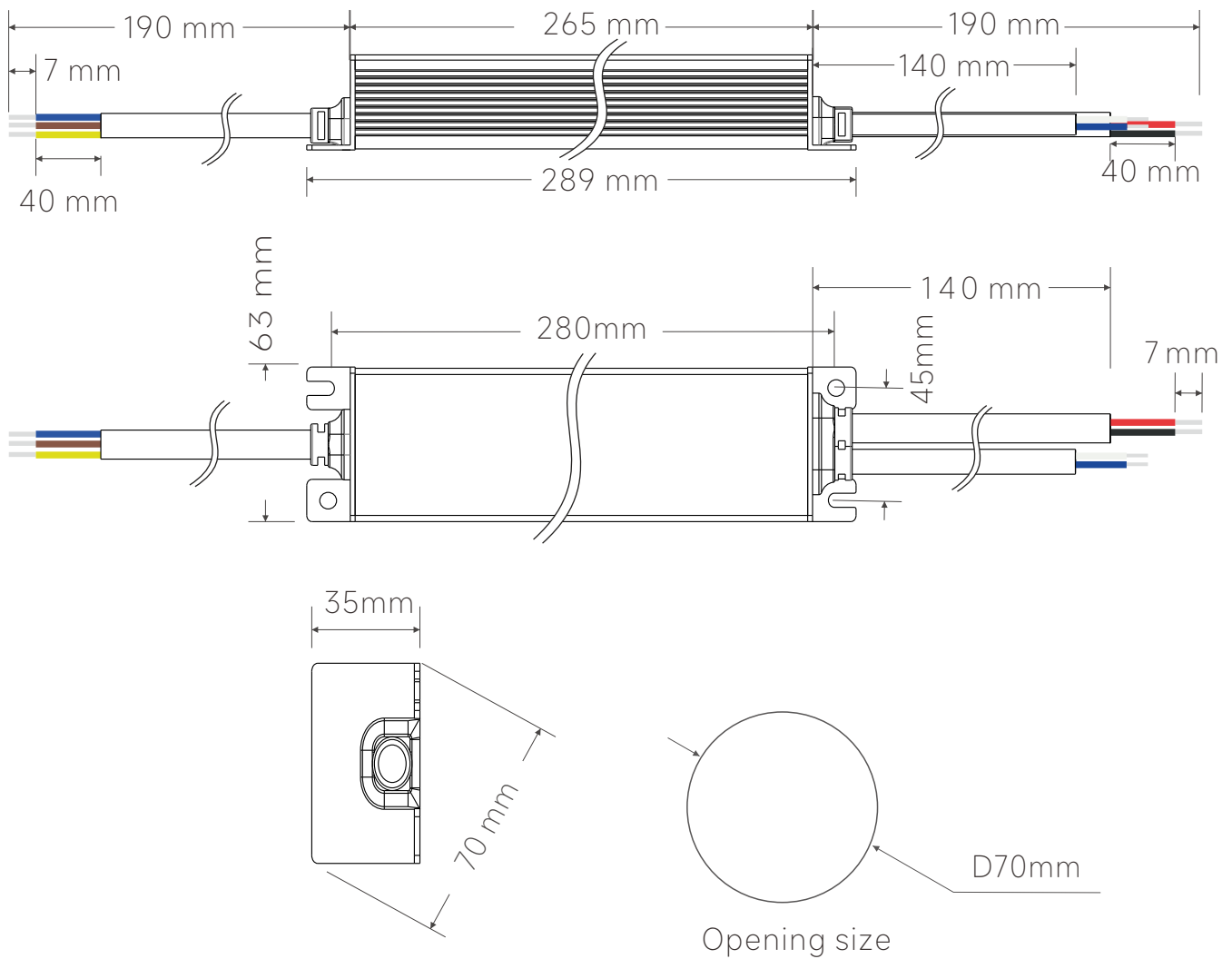
General description:

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. Aluminum alloy shell, rapid heat dissipation, makes the thermal balance of components more stable

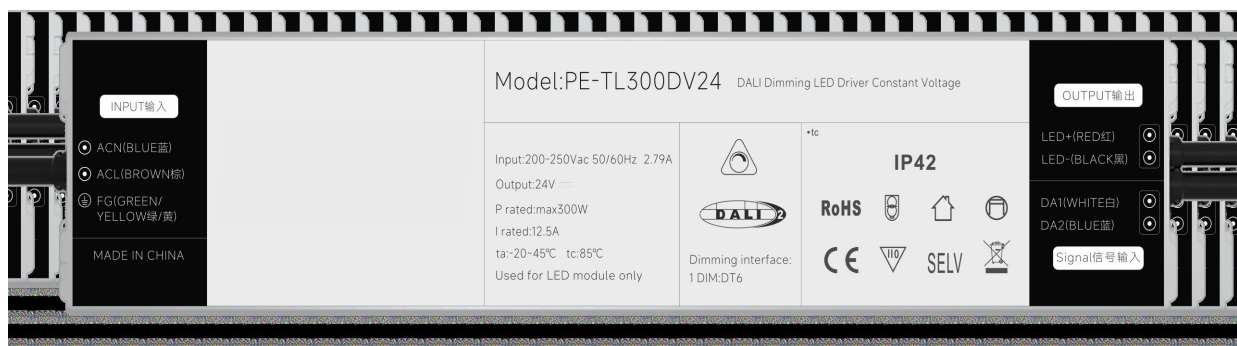
Specification:

Model		PE-TL250DV24	PE-TL300DV12
OUTPUT	Output Voltage	24Vdc	24Vdc
	Output Current	10.42A Max	12.5A Max
	Max Output Voltage	24.3Vdc ±0.25v	24.3Vdc ±0.25v
	Output Power	250W Max	300W Max
	Strobe Level	No Flicker	
	Dimming Range	0~100%,	
	PWM Dimming Frequency	>3600K(Mixed frequency)	
INPUT	Dimming Interface	DALI signal interface current <2ma	
	Input Voltage Range	200-250Vac 50/60Hz	
	Power Factor	0.6	
	Input Current	<2.79A	
	Efficiency(typ.)	92.6%	91%
	Inrush Current(typ.)	Cold start13.8A/800us	
	Anti Surge	L-N: 2kV	
	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	IP42	
PROTECTION	Over Load Protection	Shut down the output when rated power≥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: 100MΩ/500VDC/25°C/70%RH	
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11, EN61547	
	Strobe Test Standard	IEEE 1789	
OTHERS	Dimension	265(289)*63*35mm(L×W×H)	
	Packing	Box	
	Weight(G.W.)	1060±10g	
EXPLAIN	<p>1. During use, please pay attention to the input and output wiring, do not reverse it, and do not connect the signal interface to a voltage of 220V, otherwise it will damage the power supply</p> <p>2. During the use of the power supply, when the load is close to full load, the temperature of the power supply housing is slightly higher. Because of the high heat dissipation efficiency of aluminum, the internal temperature can be ensured Increase service life</p>		

Dimensions :



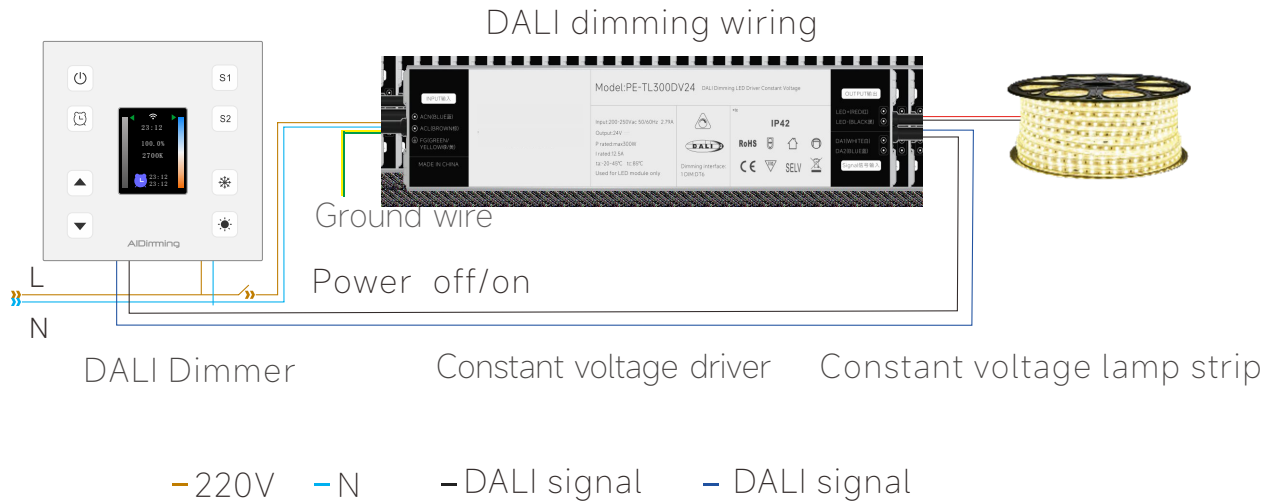
Product Label:



Wiring:

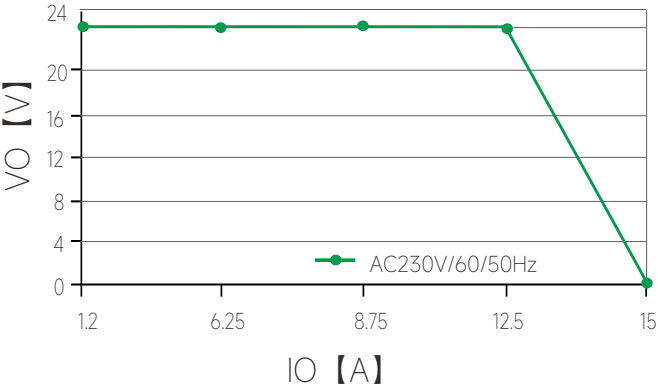
1. Input wire: wire gauge 3-core wire, 1m², length 190MM, stripping 6-7mm (tin coating)
2. Output wire: wire gauge, 2-core wire, 1.5m², length 190MM, stripping 6-7mm (tin coating)
3. Signal wire: wire gauge 2-core wire 0.75 square, 190MM length, 6-7mm stripping (tin coating)

Connection:

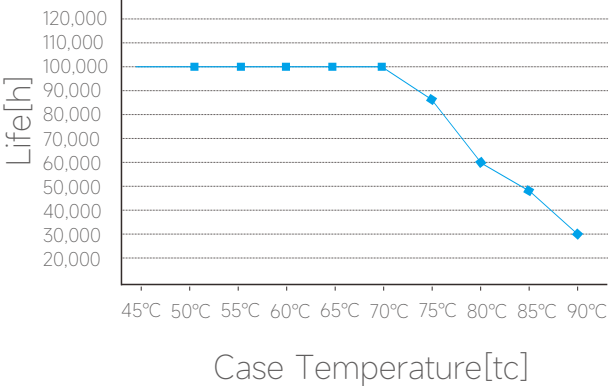


Working Curve:

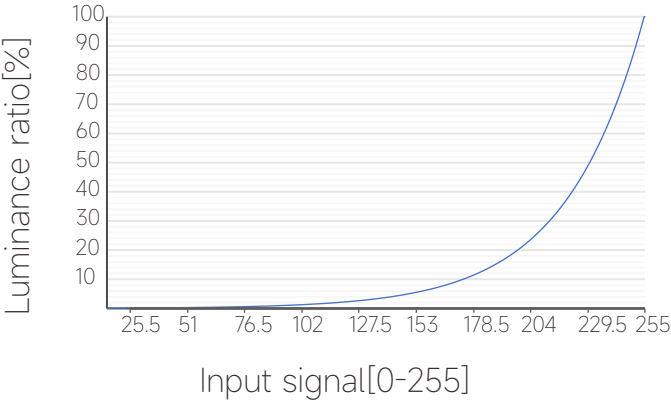
Over Load Diagram



Life VS Shell Temperature



Dimming curve



The use of guidance:

Note:

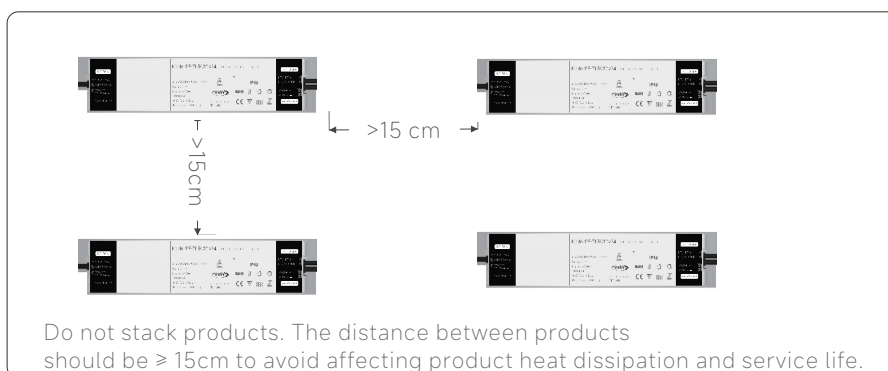
1. When using this power supply, please pay attention to distinguish between the input end and the output end. Please connect the wires correctly. There are positive and negative poles for the output. The power can only be turned on after checking;
2. Please connect the load at the DC output terminal, confirm it is correct, and then turn on the power supply;
3. The input voltage range of the product is AC200-250V, the output is within the specified voltage range, and the output power is within the specified use range, The ambient temperature for use is - 20 to +45 °C, and the surface cannot be covered with heat insulation cotton and other articles that block the heat dissipation of the product, This product is guaranteed free of charge for five years in an environment that meets the product's use conditions.
4. The input end of dimming power supply shall not be connected with inductive variable frequency power supply for dimming, otherwise noise will be generated.

The abnormal conditions and the corresponding treatment methods:

1. The power supply does not light up after the electrical connection of the device is completed for the first time. Please cut off the AC input terminal and check:
 - a) Whether the DC output terminal has poor contact;
 - b) Whether the positive and negative electrodes of DC output end are connected reversely and whether the LED board is welded reversely;
 - c) Whether the AC input terminal has poor contact; Test again after the above faults are eliminated.
2. After the device is electrically connected, the LED light is on, but the LED light flashes. Please cut off the AC input terminal and check the DC output terminal:
 - a) Whether there is overload or light load;
 - b) The design parameters of the power supply are inconsistent with the actual parameters (whether they are within the design output voltage range of the power supply).
3. In case of other questions or problems during the use of the product, please timely communicate with our company and feed back bad information, Our company will actively assist your company in solving problems.

Installation requirements:

1. The installation environment temperature of the driver should not exceed the value of Ta at any time.
2. The surface temperature of the driver should be lower than 45 °C.
3. The driver should maintain a certain distance from the heating element (such as a lamp radiator).



Not covered by the warranty:

1. input and output connections are reversed, resulting in power damage
2. the power supply is damaged due to water ingress

Statement:

The pictures and specifications are for reference, subject to the real object. If the specifications change, further notice will be given.