

PES150-1W48V

Product Feature

- full power output
- Insolated PC design
- Isolated design,safe and reliable
- Protections:Over load,Short circuit,over Current
- Protection grades is as high as IP65
- 5 years warranty
- Flicker Free



RoHS SELV IP65

Application



Light box



LED Strip Light



LED Tube



Astigmatism Light source



Short Circuit Protection



Over Load Protection

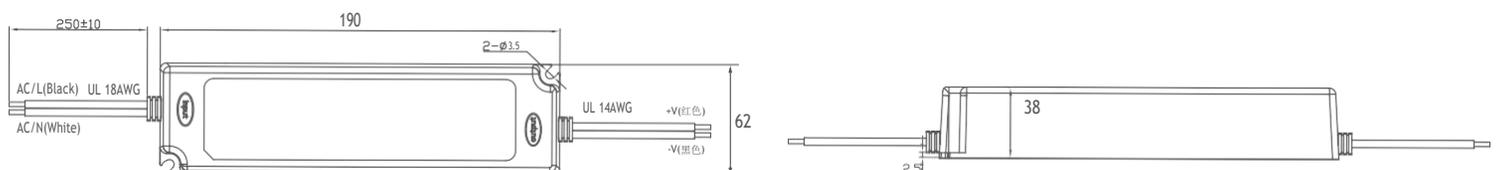


Over Current Protection

Technical Parameters

Model	PES150-1W48V	
Input	Efficiency	≥93%@230VAC, Full load
	Voltage	120VAC-277VAC
	Frequency	50/60Hz
	Power Factor	≥0.95@230VAC, full load
	Current	1.7Amax@120VAC
	Inrush Voltage	Cold start,50A@230VAC 540us
	THD	<10%@230VAC full load
	No load output voltage	<0.5W
Output	Current/Voltage/Power	3.125A/48VDC/150W
	Channel	1
	No load output voltage	50.4VDC max
	Ripple Voltage	±3%
	Output Voltage	±5%
	Turn On Delay Time	≤0.5 s, at230Vac (When the light begins to shine)
Protection	Over load	Reduce current burp protection, troubleshoot normal output
	Short circuit	Short circuit No output, troubleshooting output normal
	Over Current	Voltage drop, troubleshooting output normal
Safety & EMC	Lightning Surge	L-N:2000VAC
	Withstand Voltage	I/P-O/P:3750Vac/1min/<5mA
	Safety Standards	IEC/EN62384, IEC/EN61347-1, IEC/EN61347-2-13, GB19510.1, GB19510.14
	EMC Eission	EN61000-4-2, 3, 4, 5, 6, 8, 11; EN55015, EN61000-3-2; GB17626.3, 4, 5, 6, 8, 11; GB17743 GB17625.1, 2
	Insulation Resisance	5MΩ
Others	Working Temp.	-20℃-50℃
	Storage Temp.; Humidity	-40℃-85℃, 20-90%RH
	Tc	80℃
	Material	Plastic case
	IP Rating	IP65
	Lifetime	50,000h@tc:80℃
	Warranty Condition	5years
	Switch Cycle	>50,000 times
	Packing Size	Net weight: 750g±5%/PCS; 20PCS/Carton; 20kg±5%/Carton; Carton Size: 304*227*220mm(L*W*H)
	Dimension	190*62*38mm(L*W*H)

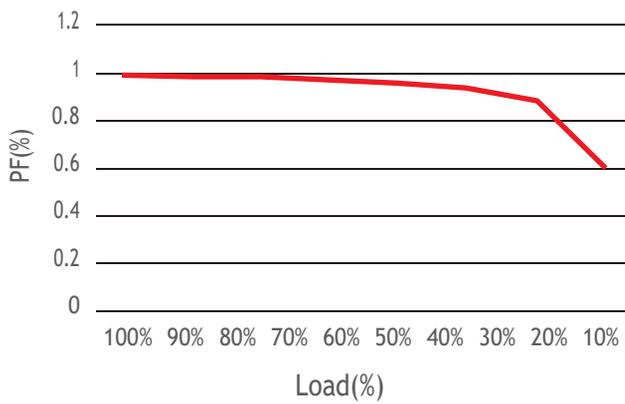
Dimension(mm)



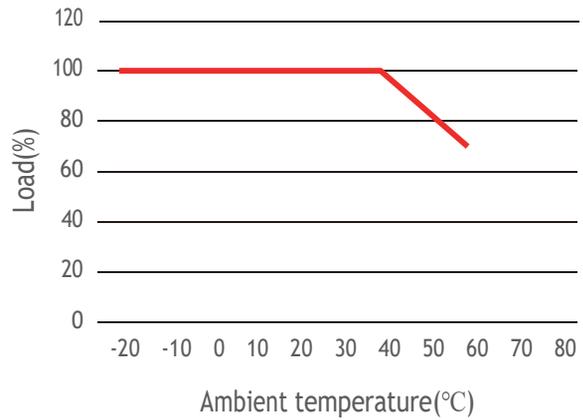
Wiring Diagram



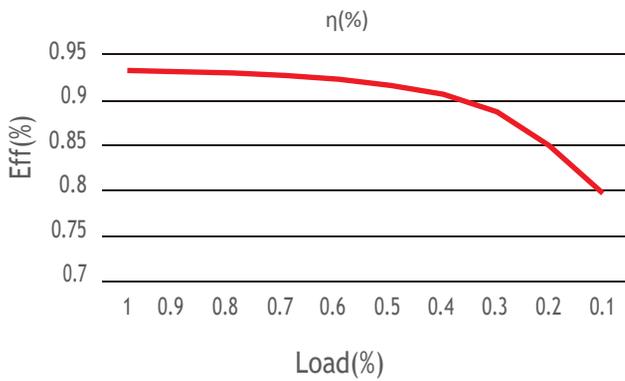
PF vs Load



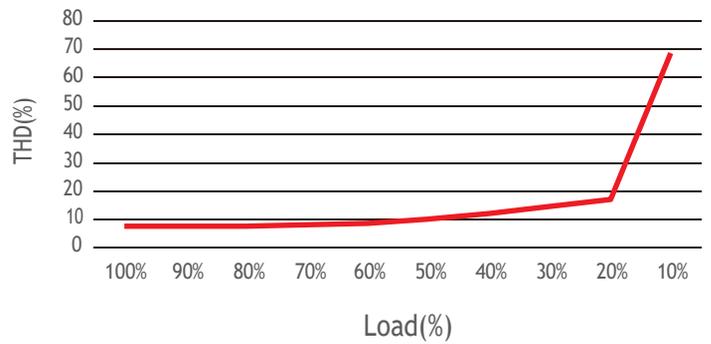
Derating curve



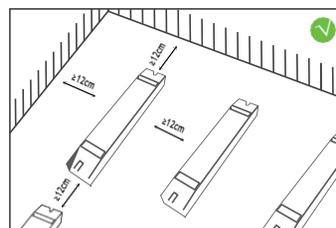
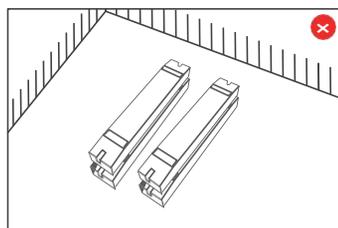
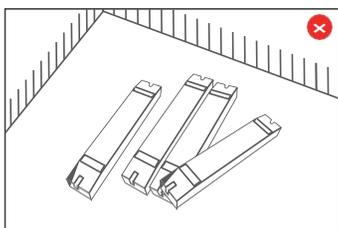
Eff. vs Load



THD. vs Load



Installation Precautions



Please do not stack the products. The distance between two products should be >12cm so as not to affect heat dissipation and the lifespan of the products.

Warranty Agreement

1. Warranty periods from the date of delivery : 5 years.
2. Free repair or replacement services for quality problems are provided within warranty periods.

Warranty exclusions below:

1. Beyond warranty periods.
 2. Any artificial damage caused by high voltage, overload, or improper operations
 3. Products with severe physical damage.
 4. Damage caused by natural disasters and force majeure.
 5. Warranty labels and barcodes have been damaged.
 6. No any contract signed by EUCHIPS.
- Repair or replacement provided is the only remedy for customers. EUCHIPS is not liable for any incidental or consequential damage unless it is within the law.
- EUCHIPS has the right to amend or adjust the terms of this warranty, and release in written form shall prevail.

Cautions

1. This product should cut off the input voltage and installed by a professional.
2. Before installation, the voltage and current output from the power supply shall be confirmed to meet the specification requirements of the lamp.
3. It is waterproof IP65,do not soak in water for a long time when using.
4. The driver should be installed in a well space and environment.
5. The sectional area of the conductor wire which connect to the driver and lamp should be enough (Recommended less than 4A/mm²).
6. Make sure all connections are correct and secure before powering up.
7. If break down during use,it must be repaired by a professional or contact the supplier.

※ The contents of this manual are updated without prior notice. If the function of the product you are using is inconsistent with the instructions, the function of the product shall prevail.Please contact us if you have any questions.