

EUP300T-1H24V-0

TRIAC Constant Voltage Dimming Driver



Summary

EUP300T-1H24V-0 is a constant voltage mode output LED driver. The driver supports leading edge (Triac) and trailing edge (ELV) dimmer, and can be compatible with the systems of various brands (Philips, Panasonic, Lutron, Simon, ABB, Siemens etc.) to achieve a smooth dimming effect.

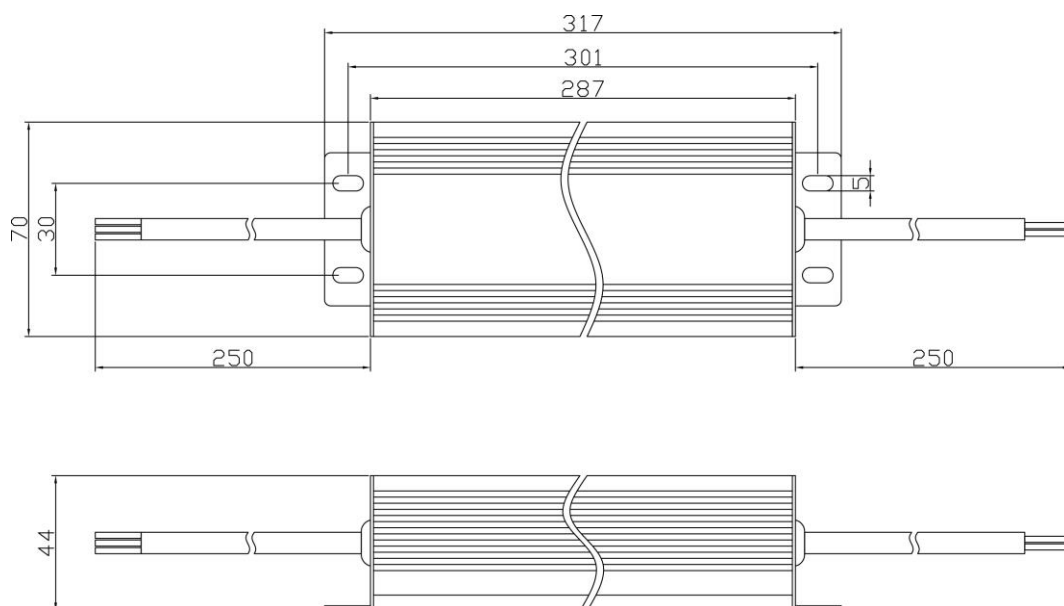
Product Features

- Single channel constant voltage output, 12.5A Max
- Support Leading edge (Triac) and Trailing edge (ELV) Dimmer
- Dimming range from 40VAC to 240V AC
- Dimming effect smooth, no flicker
- High efficiency: up to 90%.
- Over load protection; Over voltage protection; Short circuit protection
- IP65, suitable for outdoor LED lighting application

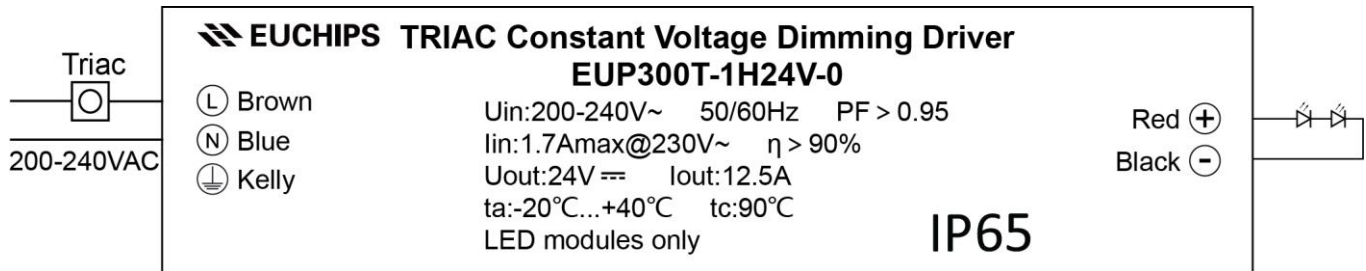
Technical Parameters

Model		EUP300T-1H24V-0
Output	Channels	1
	Voltage	24VDC
	Current	12.5A
	Power	300W
	Voltage Accuracy	±3%
	R & N (Max)	300mVp-p
Input	Voltage	200VAC – 240VAC
	Frequency	50/60Hz
	Dimming Voltage Range	40-240VAC
	Efficiency	> 90%@230VAC,full load
	PF	> 0.95@230VAC,full load
	THD	< 15%@230VAC,full load
	Current	1.7A@230VAC
	Inrush current	Cold start,60A($t_{width}=30\mu s$ measured at 50% I_{peak}) @230VAC
Protection	Short circuit	Close the output, restart to recover since fault condition is removed for 10s
	Over voltage	Close the output, restart to recover since fault condition is removed for 10s
	Over load	Hiccup, recovers after fault condition is removed
Function	Dimming mode	Triac/ELV
Others	Dimension	317*70*44 mm (L*W*H)
	Packing size	330*92*50 mm (L*W*H)
	G.W	1500g
	IP rating	IP65
	Working temp.	-20℃ ~ 40℃
	Relative humidity	20~90% RH

Dimension (mm)



Wiring Diagram



Dimming Curve

