

Constant Voltage IP20 LED Driver

Applied to LED Strip Light,LED Module,LED Neon,LED mirror light,LED Furniture light,etc

Features :

- Input Voltage: 100-240VAC
- Power Range:6-80W
- High Efficiency: up to 89% ; PF>0.6
- IP20 Design; Flicker-free
- Cooling by free air convection
- Suitable for dry or damp location use
- Protection:short circuit/over loading/over current/ Over temperature
- 3 years warranty



SELV



Model No.	Power	Output Voltage	Output Current	Weight	Size(L*W*Hmm)	Packing
OTM-E6-12 OTM-E6-24	6W	12V 24V	0.5A 0.25A	30g	42*42*22	40*30*20CM,320PCS/CTN
OTM-E12-12 OTM-E12-24	12W	12V 24V	1A 0.5A	51g	76*38*24	40*30*20CM,200PCS/CTN
OTM-E15-12 OTM-E15-24	15W	12V 24V	1.25A 0.625A	51g	76*38*24	40*30*20CM,200PCS/CTN
OTM-E18-12 OTM-E18-24	18W	12V 24V	1.5A 0.75A	79g	95*44*24	40*30*20CM,150PCS/CTN
OTM-E24-12 OTM-E24-24	24W	12V 24V	2A 1A	79g	95*44*24	40*30*20CM,150PCS/CTN
OTM-E30-12 OTM-E30-24	30W	12V 24V	2.5A 1.25A	79g	95*44*24	40*30*20CM,150PCS/CTN
OTM-E60-12 OTM-E60-24	60W	12V 24V	5A 2.5A	134g	120*49*32	40*30*20CM,80PCS/CTN
OTM-E75-12 OTM-E75-24	75W	12V 24V	6.25A 3.125A	134g	120*49*32	40*30*20CM,80PCS/CTN
OTM-E80-12 OTM-E80-24	80W	12V 24V	6.67A 3.33A	134g	120*49*32	40*30*20CM,80PCS/CTN

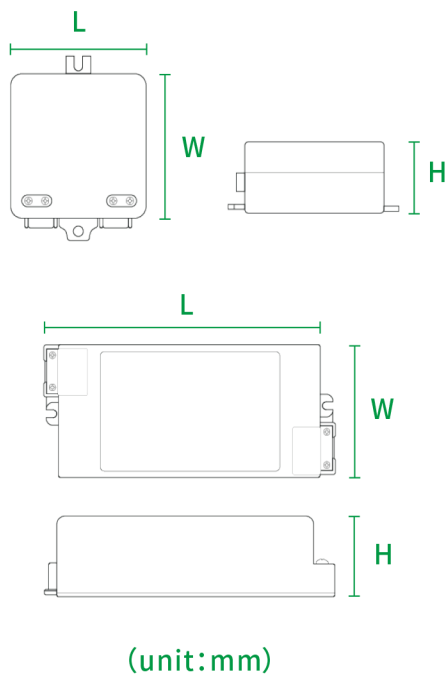
■ Specifications

Protection	Short Circuit	Hiccup mode, recover automatically after fault condition is removed
	Over Current	$\leq 1.2 \times I_{out}$
	Over Loading	$\leq 120\%$
	Over temperature	100°C \pm 10°C, Shut down o/p voltage, recover automatically after temperature goes down.
Environment	Working TEMP.	-40 \sim +60°C
	Working Humidity	20 \sim 90%RH, non-condensing
	Storage TEMP. Humidity	-40 \sim +80°C, 10 \sim 95%RH
	TEMP .coefficient	$\pm 0.03\%/^{\circ}\text{C}$ (0 \sim 50°C)
	Vibration	10 \sim 500Hz, 2G 12min./1 cycle, period for 72min. each along X,Y,Z axes
Safety& EMC	Safety standards	EN61347-1 EN61347-2-13
	Withstand voltage	I/P-O/P:3KVAC IP-FG:1.88KVAC O/P-FG:0.5KVAC
	Isolation resistance	I/P-O/P I/P-FG O/P-FG:100M Ω /500VDC/25°C/70%RH
	EMC EMISSION	EN55022, EN55015 Class B
Notes	<p>1. All parameters if NOT specially mentioned are measured at 120VAC input , rated load and 25°C of ambient temperature.</p> <p>2. To extend the driver's using life ,please reduce the loading at lower input voltage.</p>	

■ Package

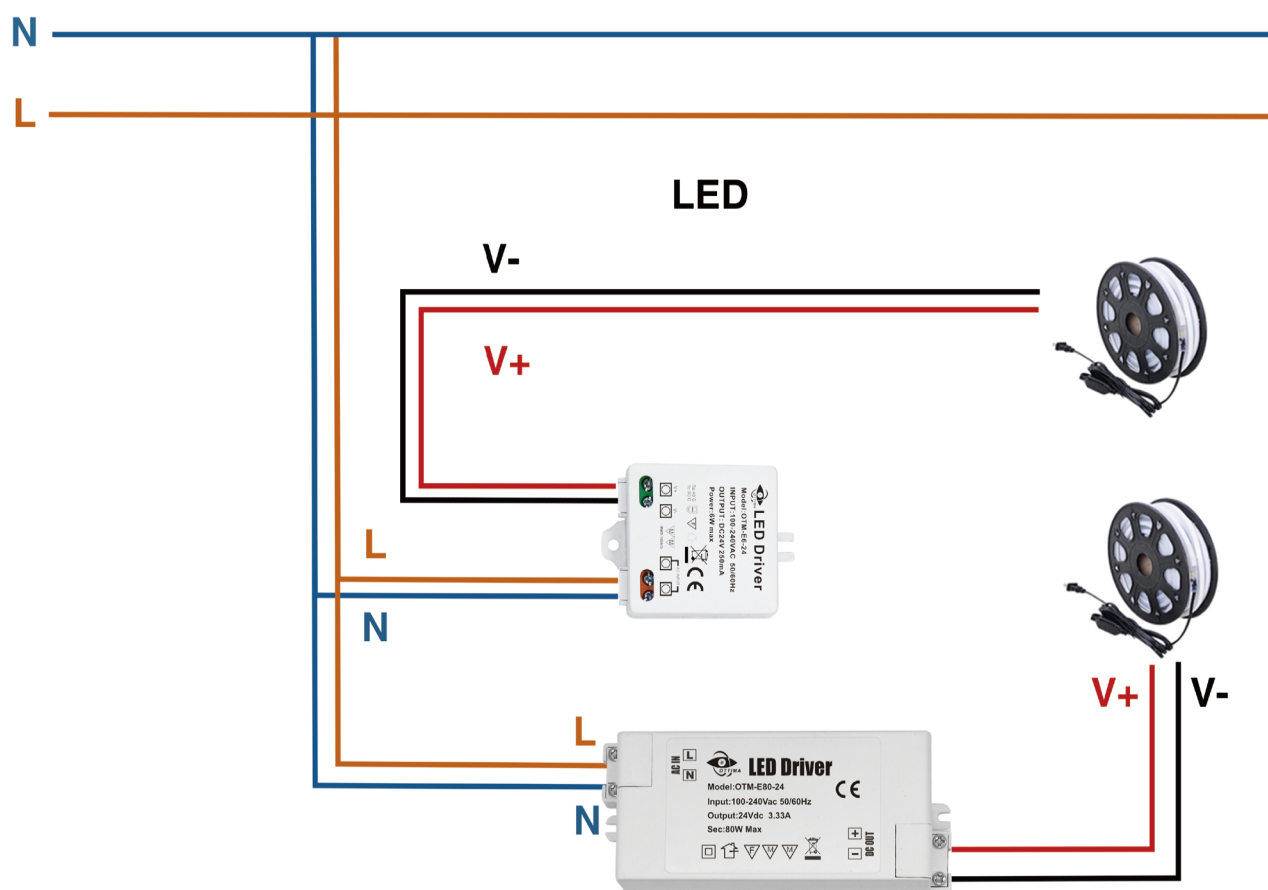


■ Dimensions



Model No.	Power	Size(L*W*H)
OTM-E6-12 OTM-E6-24	6W	42*42*22
OTM-E12-12 OTM-E12-24	12W	76*38*24
OTM-E15-12 OTM-E15-24	15W	76*38*24
OTM-E18-12 OTM-E18-24	18W	95*44*24
OTM-E24-12 OTM-E24-24	24W	95*44*24
OTM-E30-12 OTM-E30-24	30W	95*44*24
OTM-E60-12 OTM-E60-24	60W	120*49*32
OTM-E75-12 OTM-E75-24	75W	120*49*32
OTM-E80-12 OTM-E80-24	80W	120*49*32

■ Driver Connecting Diagram



Dimming Operation

- ※The Pulse-Width Modulation (PWM) of output voltage can be adjusted through input terminal of the AC phase line(L) by connection a triac dimmer.
- ※Usually matching with leading edge/Forward Phase Triac Dimmers(Can customized as a driver only matching trailing edge/reverse phase Triac Dimmers if needed).
- ※Please try to use dimmers with power at least 2.5 times as the output power of the driver.
- ※for Forward phase,Magnetic low voltage and Triac Dimmers

Warning

- ※Prevent to reverse polarity;
- ※Risk of Electric Shock. When used outdoors, install only on a circuit protected by a Class A GFCI;
- ※Risk of Fire. Installation involves special wiring methods to run wiring through a building structure. Consult a qualified electrician;
- ※Risk of Electric Shock. Mount the unit at a height greater than 1 foot from the ground surface.