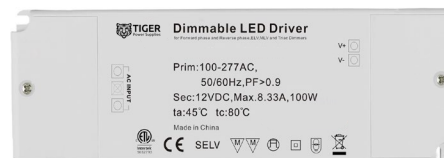


Triac Dimmable Ultra-Thin LED Driver

Triac/Forward and Reverse phase (leading and trailing edge)/MLV/ ELV dimmer

Features :

- Input Voltage: 100-277VAC/180-240Vac
- Power Range:20W-100W
- High Efficiency: up to 92% ; PF>0.9
- IP20 Design; Flicker-free
- Cooling by free air convection
- Suitable for dry or damp location use
- Protection:Short Circuit/Over Loading /Over Current/ Over Temp
- 5 years warranty



S/N	Power	Model No.	Input Voltage	Output Voltage	Output Current	PF	Product Size (mm)	IP Grade	Warranty
1	20W	TGR-DIM-12V20W TGR-DIM-24V20W	100-277Vac 180-240Vac	12V 24V	1.66A 0.83A	>0.9	128*50*20	IP20	5 years
2	30W	TGR-DIM-12V30W TGR-DIM-24V30W	100-277Vac 180-240Vac	12V 24V	2.5A 1.25A	>0.9	160*58*20	IP20	5 years
3	40W	TGR-DIM-12V40W TGR-DIM-24V40W	100-277Vac 180-240Vac	12V 24V	3.33A 1.66A	>0.9	160*58*20	IP20	5 years
4	50W	TGR-DIM-12V50W TGR-DIM-24V50W	100-277Vac 180-240Vac	12V 24V	4.16A 2.08A	>0.9	185*63.5*22	IP20	5 years
5	60W	TGR-DIM-12V60W TGR-DIM-24V60W	100-277Vac 180-240Vac	12V 24V	5A 2.5A	>0.9	185*63.5*22	IP20	5 years
6	80W	TGR-DIM-12V80W TGR-DIM-24V80W	100-277Vac 180-240Vac	12V 24V	6.66A 3.33A	>0.9	185*63.5*22	IP20	5 years
7	100W	TGR-DIM-12V100W TGR-DIM-24V100W	100-277Vac 180-240Vac	12V 24V	8.3A 4.1A	>0.9	185*63.5*22	IP20	5 years

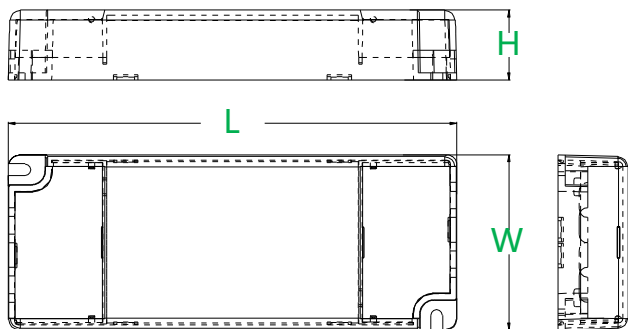
■ Specifications

Protection	Short Circuit	Hiccup mode, recover automatically after fault condition is removed
	Over Current	$\leq 1.2 \cdot I_{out}$
	Over Loading	$\leq 120\%$
	Over temperature	100°C±10°C, Shut down o/p voltage, recover automatically after temperature goes down.
Environment	Working TEMP.	-40~ +60°C
	Working Humidity	20~ 90%RH, non-condensing
	Storage TEMP. Humidity	-40~ +80°C 10~ 95%RH
	TEMP .coefficient	±0.03%/°C 0~ 50°C 穩
	Vibration	10~ 500Hz 穩 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:100MΩ/500VDC/25°C/70%RH
	EMC EMISSION	EN55022, EN55015 Class B
Notes	1. All parameters if NOT specifically mentioned are measured at 120VAC input , rated load and 25°C of ambient temperature. 2. To extend the driver's using life ,please reduce the loading at lower input voltage.	

■ Package



■ Dimensions



S/N	Power	Product Size (mm)
1	20W	128*50*20
2	30W-40W	160*58*20
3	50W-100W	185*63.5*22

(unit :mm)

■ 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

- 1) This driver should be installed by qualified and professional person;
- 2) Please make sure the transformer is installed with adequate ventilation around it to allow for heat dissipation.
- 3) Ensure that wiring is correct before test in order to avoid light and power supply damage;
- 4) If driver cannot work normally, don't maintain privately;
- 5) Have any question, please contact us.