

# TLD COST EFFECTIVE

## 12V/24V 60W- 400W



\*LED Strip Lights, Commercial Lighting, Neon and Accent Lighting, LED Signs and Lightboxes, Smart Home Lighting

### FEATURE

- ◎ Two years warranty
- ◎ 100% Load burn-in test
- ◎ Built-in EMI fliter
- ◎ Output over- voltage, over-current and short- circuit protection
- ◎ Ultra slim design, suitable narrow install
- ◎ Low output ripple and noise
- ◎ Average no trouble working >20,000 hours

### PRODUCT PARAMETERS



Model	Pout	Vin	Vout	Iout	Effi	IP	Size(mm)	Pcs/Ctn
TLD-60-12	60W	200-240V AC	DC12V/24V	5.0A/2.5A	85%	IP20	120*36*22	100
TLD-100-12	100W	200-240V AC	DC12V/24V	8.3A/4.1A	85%	IP20	138*50*23	90
TLD-200-12	200W	200-240V AC	DC12V/24V	16.7A/8.3A	85%	IP20	180*50*23	90
TLD-300-12	300W	200-240V AC	DC12V/24V	25.0A/12.5A	85%	IP20	206*50*23	60
TLD-400-12	400W	200-240V AC	DC12V/24V	33.0A/16.7A	85%	IP20	238*50*23	60

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**TLD-400W 12V**



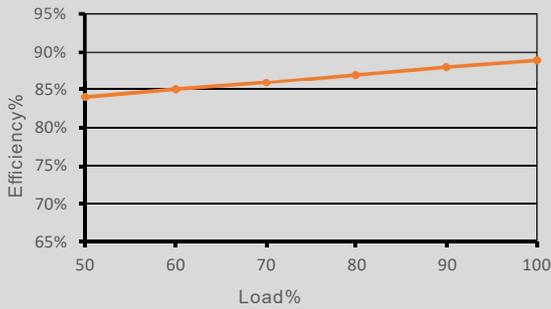
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Model		TLD-400W 12V	TLD-400W 24V
OUTPUT	DC voltage	12V	24V
	Rated current	33A	16.7A
	Cuttent range	0-33A	0-16.7A
	Rated output power	400W	400W
	Ripples and noise	≤200mVp-p	≤300mVp-p
	Output current range	11.5-12.5V	23-25V
	Precision of output voltage regulation	±0.5%	±0.5%
	Rate of lenear adjustment	±0.5%	±0.5%
	Load adjustment rate	±0.5%	±0.5%
	The startup time	≤2s/230VAC	
INPUT	Keep time	10ms/230VAC	
	Voltage range	176-264VAC	
	Frequency range	50Hz	
	Power factor	PF≥0.6/230VAC	
	Efficiency	≥89%	≥91%
	Alternating current	3.4A/230VAC	
	Surge current	50A/230VAC	
	Leakage current	<5mA/230VAC	
PROTECTION	Overload	110%-140%: rated 110%-140% of the total power input protection mode:Auto recovery mode.the system automatically recovers when abnormal load conditions are removed	
	Short circuit	protection mode:Auto recovery mode.the system automatically recovers when abnormal load conditions are removed	
	Over voltage	protection mode:self-recovery mode,automatic recovery when the overvoltage is removed	
	Over temperature	protection mode:self-recovery mode,automatically recover when the temperature drops	
ENVIRONMEN	working temperature	-35~+50°C	
	working humidity	20-90% RH	
	storage temperature;humidity	-30~+85°C; 10~95% RH	
	temperature coefficient	±0.1%/°C(0-35°C)	
	resistance to vibration	10-500Hz, 3G 10min. / 1 cycle, 60 min. each axes	
SAFETY&EMC	safety norms	EN60950 , GB4943.1 -2011	
	withstand voltage	I/P-O/P:1.5KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC	
	insulation impedance	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH	
	EMC	--	
other	protection grade	IP20	
	MTBF	≥30khour 25°C	
	power supply size	L238*W50*H23mm	
	power supply weight	260g	
NOTE	1.Unless otherwise specified , all specification are measured at an input of 230VAC,rarted negative cut,and ambient temperature of 25°C		
	2.Ripple and noise measurement method:the measured end is connected in parallel with a 0.1uF+10uF capacitor,the oscilloscope is set to 20MHZ bandwidth,and the probe is tested with cap off and full load at 25°C		
	3.Accuracy :includes setting error , linear adjustment rate and load adjustment rate .		
	4. The output power is reduced when the input voltage is less than 200VAC.		

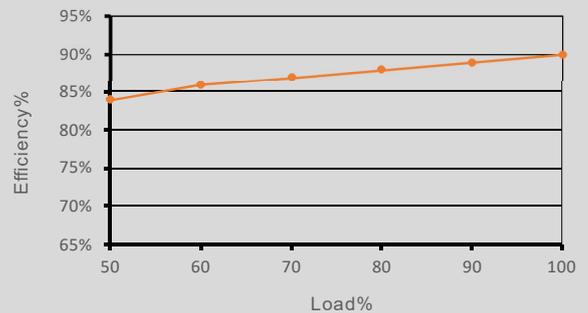


Efficiency vs Load



TLD-12V 400W

Efficiency vs Load



TLD-24V 400W

**Packaging Information**

DIMENSION	238*50*23(LxWxH)
PACKING	242*53*26(LxWxH)
PCS/CTN	60pcs
CARTON SIZE	525*248*155(LxWxH)
WEIGHT	260g±10g/PCS

**Temperature load curve**

