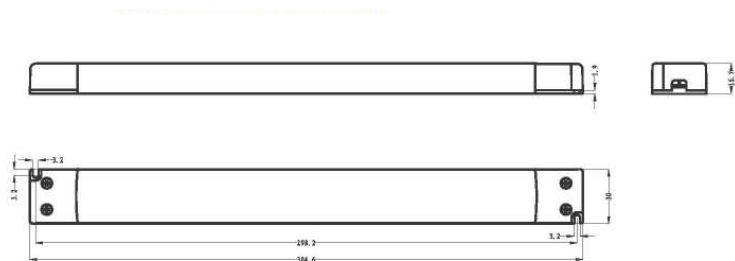


LED Driver - 60W Ultra Slim Constant Voltage Series

A range of ultra slim constant voltage LED drivers capable of providing 60 Watts in a choice of either 12vdc or 24vdc. These LED drivers feature easy connection via terminal blocks on input and output. The LED drivers are very thin with a height of only 16.7mm and a width of just 30mm



- Rated Input Voltage:200-240VAC
- Input Frequency:50/60Hz
- Body:PC
- Open Circuit;Short Circuit;Over Load;
- Over Heat Protection
- Safety According to EN61347-1,EN61347-2-13
- EMI According to EN55015
- EMS According to EN61000-3-2;EN61000-3-3;EN61547
- EMF According to EN62493-2010
- ERP According to EN1194-2012



Characteristics

Rated input voltage: AC200-240V 50/60Hz (power factor measured at AC230V and full load)

Model No.	Constant out voltage	Load	Max output Current	PF	Ta	Tc	L×W×H
LED-DR-12V-60W-SLIM	12V	0-60W	5A	≥0.9	50°C	80°C	304.6X30X16.7
LED-DR-24V-60W-SLIM	24V	0-60W	2.5A	≥0.9	50°C	80°C	304.6X30X16.7

See full technical info for both models on following pages.

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LED Driver - 60W Ultra Slim Constant Voltage Series

Technical information - 12vdc model (details for 24vdc model on page 3)

items	conditions	request	note
1.output			
1.1 rated input voltage	Ta	AC200-240V	
1.2 input voltage scope	Ta	AC180-264V	
1.3 input voltage frequency	Ta	50/60Hz	
1.4 input current	25°C, input rated voltage, ouput max rated load	<0.5A	
1.5 input power	25°C, input rated voltage, ouput max rated load	<75W	
1.6 Efficiency	25°C, input rated voltage, ouput max rated load	≥88%	Typical
1.7 power consumption without load	25°C, input rated voltage, ouput without load	<0.5W	Average
1.8 power factor	25°C, input rated voltage, ouput max rated load	≥0.90	
1.9 input surge current	25°C, input rated voltage, ouput max rated load	<75A	Peak
2.output			
2.1 startup time	25°C, input rated voltage, ouput max rated load	<0.5S@230V 50Hz	
2.2 Output max current	Ta, input rated voltage, ouput max rated load	5A Max	
2.3 rated ouput power/led lights quantity	Ta, input rated voltage	..	VF=3.6V
2.4 ouput current wave	25°C, input rated voltage, ouput max rated load	--	Ip-p
2.5 overshoot	25°C, input rated voltage, ouput for 2 lights connection.	--	
2.5 rated ouput voltage and precision	Ta, input rated voltage, ouput rated load	12V±5%	
2.6 ouput voltage wave	25°C, input rated voltage, ouput max rated load	<500mV	Vp-p
2.7 ouput open circuit voltage	Ta, input rated voltage	<13v	
2.8 dimmable mode		--	
2.9 dimmable scope		--	
3.protection			
3.1 open-circuit protection	Ta, input rated voltage, ouputwithout load	..	
3.2 overload protection	Ta, input 0.94-1.06 times rated voltage, ouput 2 times rated load	yes	
3.3 short protection	Ta, input 0.94-1.06 times rated voltage, ouput short circuit for 1 hour	yes	
3.4 over temperature protection	before Tc temperature reaches 115°C	..	
3.5 automatic re-start	Ta,overload, short, over temperature protection retreat	yes	
4.temperature and others			
4.1 working temperature		-20°C~45°C	
4.2 working humidity		45%~85%	
4.3 max cover temperature		80°C	<90°C
4.4 products life span	max Ta, input rated voltage and ouput max rated load	30000hr	
4.5 working noise	25°C, input rated voltage, ouput rated load, background noise<30dB, pickup is 10cm from product	<35dB	
5. mechanical struture,mount and wire connection			
5.1 cover material and size	plastic cover,304.6mmX30mmX16.7mm		
5.2 mounting	independent		
5.3 anti-electric shock	Second grade		
5.4 protection grade	IP20		
5.5 input connection way	single, terminal block, H03VVH2-F 2X0.75mm ²		
5.6 ouput connection way	single, terminal block, H03VVH2-F 2X0.75mm ²		
5.7 ouput wires length	2m max		
6. Standard request			
6.1 safety	IEC61347-1, IEC61347-2-13(with light IEC60598)		
6.2 harmonic	25°C, input rated voltage, MAX rated load	IEC61000-3-2	
6.3 EMC--Emission	25°C, input rated voltage, load is typical light	IEC55015	
6.4 EMC--Immunity	25°C, input rated voltage, load is typical light	IEC61547	
6.5 Mark	F and MM mark		
Made		version	
Inspection			
Approval			

LED Driver - 60W Ultra Slim Constant Voltage Series

Technical information - 24vdc model (details for 12vdc model on page 2)

items	conditions	request	note
1.output			
1.1 rated input voltage	Ta	AC200-240V	
1.2 input voltage scope	Ta	AC180-264V	
1.3 input voltage frequency	Ta	50/60Hz	
1.4 input current	25℃, input rated voltage, ouput max rated load	<0.5A	
1.5 input power	25℃, input rated voltage, ouput max rated load	<75W	
1.6 Efficiency	25℃, input rated voltage, ouput max rated load	≥88%	Typical
1.7 power consumption without load	25℃, input rated voltage, ouput without load	<0.5W	Average
1.8 power factor	25℃, input rated voltage, ouput max rated load	≥0.90	
1.9 input surge current	25℃, input rated voltage, ouput max rated load	<75A	Peak
2.output			
2.1 startup time	25℃, input rated voltage, ouput max rated load	<0.5S@230V 50Hz	
2.2 Output max current	Ta, input rated voltage, ouput max rated load	2.5A Max	
2.3 rated ouput power/led lights quantity	Ta, input rated voltage	..	VF=3.6V
2.4 ouput current wave	25℃, input rated voltage, ouput max rated load	--	Ip-p
2.5 overshoot	25℃, input rated voltage, ouput for 2 lights connection.	--	
2.5 rated ouput voltage and precision	Ta, input rated voltage, ouput rated load	24V±5%	
2.6 output voltage wave	25℃, input rated voltage, ouput max rated load	<600mV	Vp-p
2.7 ouput open circuit voltage	Ta, input rated voltage	<26v	
2.8 dimmable mode		--	
2.9 dimmable scope		--	
3.protection			
3.1 open-circuit protection	Ta, input rated voltage, ouputwithout load	..	
3.2 overload protection	Ta, input 0.94-1.06 times rated voltage, ouput 2 times rated load	yes	
3.3 short protection	Ta, input 0.94-1.06 times rated voltage, ouput short circuit for 1 hour	yes	
3.4 over temperature protection	before Tc temperature reaches 115℃	..	
3.5 automatic re-start	Ta,overload, short, over temperature protection retreat	yes	
4.temperature and others			
4.1 working temperature		-20℃~45℃	
4.2 working humidity		45%~85%	
4.3 max cover temperature		80℃	<90℃
4.4 products life span	max Ta, input rated voltage and ouput max rated load	30000hr	
4.5 working noise	25℃, input rated voltage, ouput rated load, background noise<30dB, pickup is 10cm from product	<35dB	
5.mechanical struture,mount and wire connection			
5.1 cover material and size	plastic cover,304.6mmX30mmX16.7mm		
5.2 mounting	independent		
5.3 anti-electric shock	Second grade		
5.4 protection grade	IP20		
5.5 input connection way	single, terminal block, H03VVH2-F 2X0.75mm ²		
5.6 ouput connection way	single, terminal block, H03VVH2-F 2X0.75mm ²		
5.7 ouput wires length	2m max		
6. Standard request			
6.1 safety	IEC61347-1、IEC61347-2-13(with light IEC60598)		
6.2 harmonic	25℃, input rated voltage, MAX rated load	IEC61000-3-2	
6.3 EMC--Emission	25℃, input rated voltage, load is typical light	IEC55015	
6.4 EMC--Immunity	25℃, input rated voltage, load is typical light	IEC61547	
6.5 Mark	F and MM mark		
Made		version	
Inspection			
Approval			