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A range of ultra slim waterproof LED drivers rated to IP66 capable of providing 60 Watts maximum in a choice of either 12vdc or 24vdc constant voltage outputs. These LED drivers feature easy connection via input and output cables. Measuring just 30mm wide and 18mm high they are perfect for a wide range of applications



Model No.	Constant Voltage	Load	Max Output Current	PF	TC	L x W x H
LED-DR-12V-60W-SLIM-IP66	12V	0-60W	5A	0.9	90	297 x 30 x 18
LED-DR-24V-60W-SLIM-IP66	24V	0-60W	2.5A	0.9	90	297 x 30 x 18



Technical information - 12vdc model (details for 24vdc model on page2)

## LED-DR-12V-60W-SLIM-IP66

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	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 precison	Ta, input rated voltage, ouput rated load	12V±5%	
2.6 output voltage wave	25℃，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, output 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	IP66		
5.5 input connection way	single, H05RN-F 2*1.0mm2		
5.6 ouput connection way	single, SVT 18AWG		
5.7 ouput wires length			
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			



Technical information -24vdc model (details for12vdc model on page 1)

## LED-DR-24V-60W-SLIM-IP66

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 precison	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， output 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	IP66		
5.5 input connection way	single, H05RN-F 2*1.0mm2		
5.6 ouput connection way	single, SVT 18AWG		
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			

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## Drawing

