

AWS600D-1H24V

Summary

AWS600D-1H24V is a dimming driver that can provide constant voltage output. Complies with DALI standard protocol IEC 62386. Use DALI master or DALI panel dimming , with smooth dimming curve and are flicker free.

Product Features

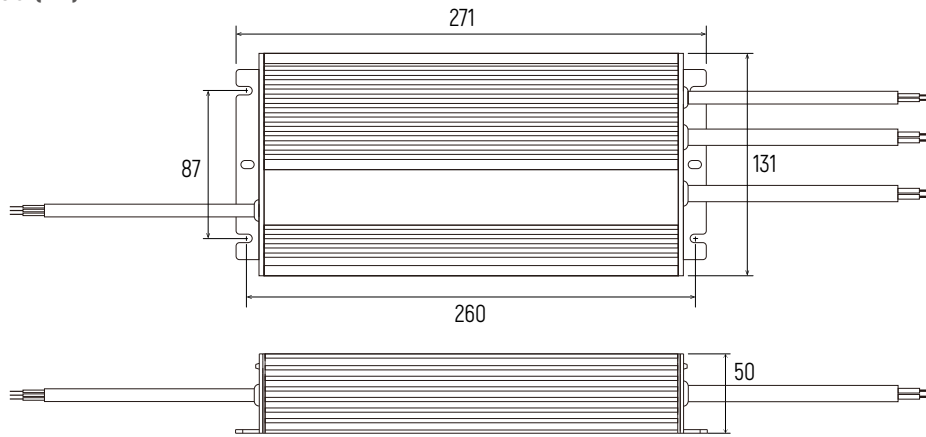
- Single channel output with 24V CV direct current
- With built-in active PFC function
- Meet DALI protocol IEC 62386-207
- Ultra-thin design, Waterproof level IP67, High efficiency up to 92.5%
- Dimming effect smooth, no flicker
- Protections: Short circuit, over voltage, lightning protection
- suitable for LED CV lighting, such as LED module, LED strip light, LED tube, and so on



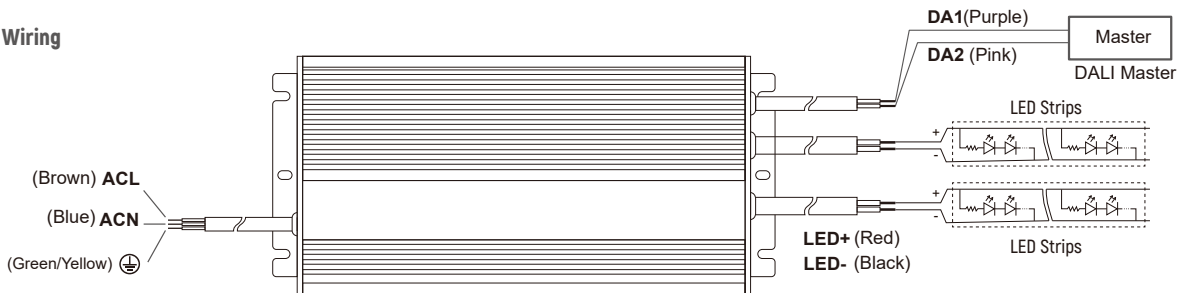
Technical Paramaters

Model	AWS600D-1H24V	
Input	Efficiency	92.5%@230VAC,Full load
	Voltage	220VAC-240VAC
	Frequency Range(Hz)	50/60Hz
	Power Factor	≥0.96@230VAC,Full load
	THD(full load)	<10%@230VAC, Full load
	Standby Power	≤2W
	AC Current(max)	3.6Amax@230VAC
	Inrush Current(max)	Cold start,73.5A@230VAC 100us
Output	Current(A)	25Amax
	Voltage (VDC)	24VDC
	Power(W)	600W
	Channel	1
	No load output voltage	25.2VDC max
	Turn on delay Time	<0.75s, at230Vac (When the light begins to shine)
Function	Dimming Type	DALI
	Dimming Range	0.5%-100%
	Dimming curve	Logarithm
Protection	Short Circuit	after fault removed Close output ,the output current recovers automatically
	Over Voltage	Reduced current hiccup protection
Safety& EMC	Surge	L-N 6KV L-PE 10KV N-PE 10KV
	Withstand Voltage	I/P-O/P: 3750Vac/1min/<5mA I/P-GND:1500Vac/1min/<5mA O/P-GND:500Vac/1min/5mA O/P-DIM[Signal port]:1500Vac/1min/<5mA
	Safety Standards	IEC/EN62384, IEC/EN61347-1, IEC/EN61347-2-13, GB19510.1, GB19510.14
	EMC Emission	EN61000-4-2, 3, 4, 5, 6, 8, 11; EN55015, EN61000-3-2; GB17626.3, 4, 5, 6, 8, 11; GB17743 GB17625.1, 2
	Insulation Resisance	5MΩ
Others	Working Temp.	-20°C~50°C
	Storage Temp., Humidity	-40°C~85°C, 20-90%RH
	tc	90°C
	Material	Metal
	IP Rating	IP67
	Lifetime	50,000h@tc:90°C
	Warranty Condition	5 years
	Switch Cycle	>25,000 times
	Packing(weight)	Net weight: 2850g±5%/PCS; 10PCS/Cartron; 29kg±5%/Cartron; Carton Size:595*320*168mm(L*W*H)
	Dimension	271*131*50mm (L*W*H)

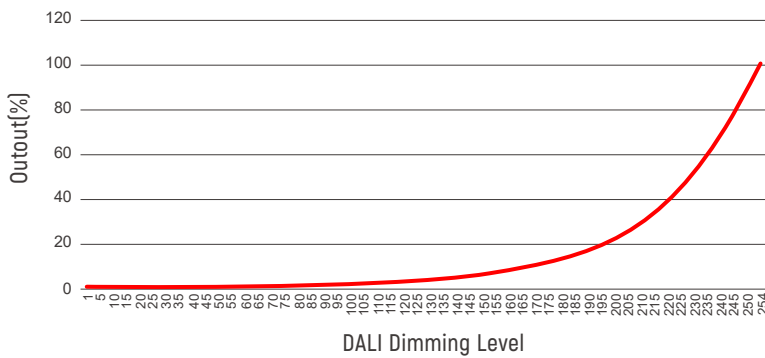
Dimension(mm)



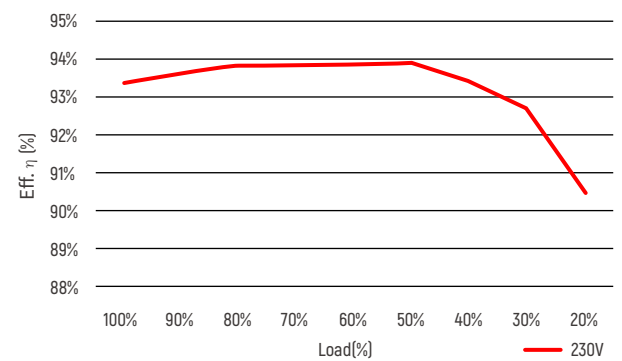
Wiring



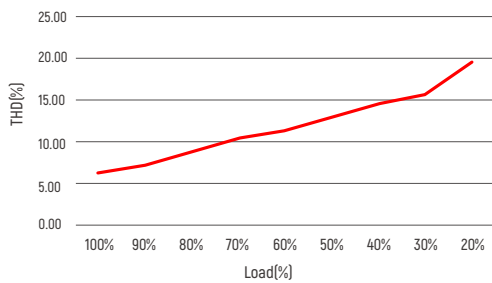
Dimming Curve



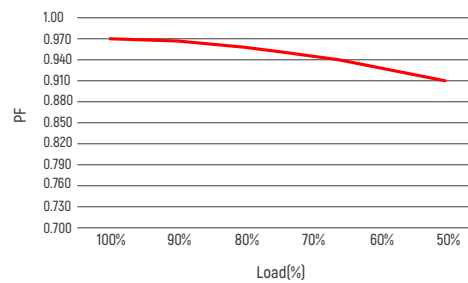
Eff. Vs Load



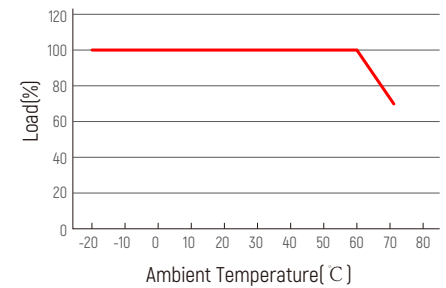
THD Vs Load



PF Vs Load



Derating Curve



Cautions

- 1.This product should be installed by qualified personnel.
- 2.Good heat dissipation conditions extend product life. Please install the product in a well-ventilated environment.
- 3.Please make sure LED power supply output voltage, current is used to meet the product requirements.
- 4.Please ensure that adequate sized cable is used from the controller to the LED lights to carry the current. Please also ensure that the cable is secured tightly in the connector.
- 5.In case of malfunction, do not repair it yourself.

※ The contents of this manual are updated without prior notice. If the function of the product you are using is inconsistent with the instructions, the function of the product shall prevail. Please contact us if you have any questions.

AWS600D-1H24V

概述

AWS600D-1H24V是一款可提供恒压输出的调光驱动器符合DALI标准协议IEC62386。
用DALI主控或DALI面板调光，曲线平滑、无闪烁。

产品特点

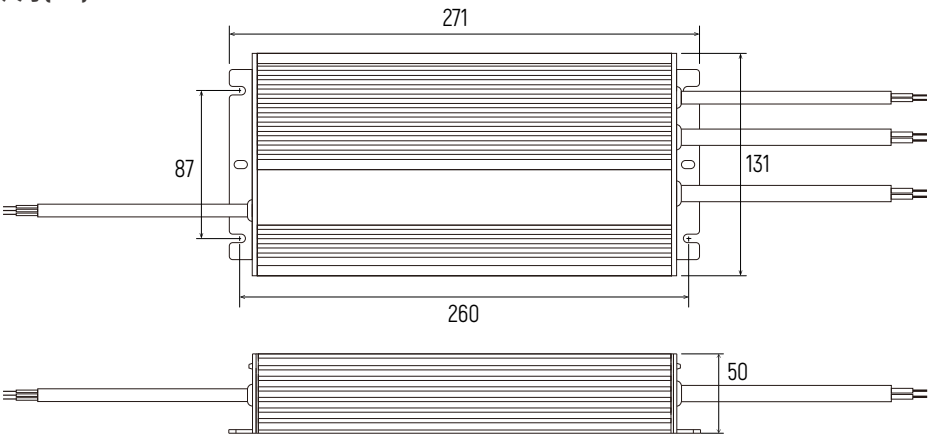
- 单通道恒压直流24V输出
- 宽电压输入含主动PFC, 足功率输出
- 遵循DALI协议标准 IEC62386-207
- 超薄设计, 防水等级IP67, 效率高达92.5%
- 平滑调光效果, 无间隔
- 保护：防雷, 短路保护, 过载保护, 过压保护
- 适用于LED恒压灯具 , 如LED模组, 灯带, 灯条等



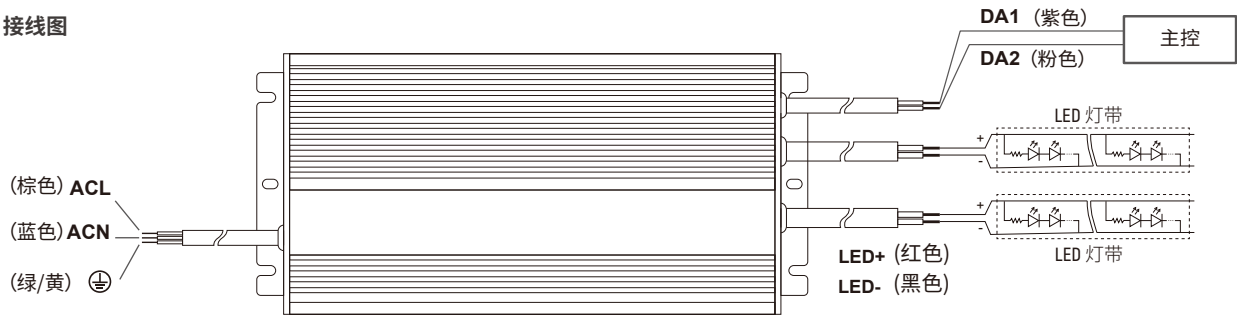
技术参数

型号	AWS600D-1H24V	
输入	效率	≥92.5%@230VAC, 满载
	电压	220VAC-240VAC
	频率	50/60Hz
	功率因素	0.96@230VAC, 满载
	THD	<10%@230VAC, 满载
	待机功耗	≤2W
	电流	3.6Amax@230VAC
	浪涌电流	冷启动,73.5A@230VAC 100us
输出	电流	25Amax
	电压	24VDC
	功率	600W
	通道	1
	空载输出电压	25.2VDC max
	启动延时	<0.75s, at230Vac (When the light begins to shine)
功能	调光方式	DALI
	调光范围	0.5%-100%
	调光曲线	对数
保护	短路	关闭输出，排除故障后自恢复
	过压	降低电流打嗝保护
安全 & 电磁兼容	雷击	L-N 6KV L-PE 10KV N-PE 10KV
	耐压标准	I/P-O/P: 3750Vac/1min/<5mA I/P-GND:1500Vac/1min/<5mA O/P-GND:500Vac/1min/5mA O/P-DIM[Signal port]:1500Vac/1min/<5mA
	安全标准	IEC/EN62384, IEC/EN61347-1, IEC/EN61347-2-13, GB19510.1, GB19510.14
	电磁兼容	EN61000-4-2, 3, 4, 5, 6, 8, 11; EN55015, EN61000-3-2; GB17626.3, 4, 5, 6, 8, 11; GB17743 GB17625.1, 2
	绝缘阻抗	5MΩ
其它	工作温度	-20℃~50℃
	储存温度、湿度	-40℃~85℃, 20-90%RH
	tc	90℃
	材质	金属
	防水等级	IP67
	寿命	50,000小时@tc:50℃
	质保	5年
	开关周期	>25,000次
	包装尺寸(重量)	净重:2850g±5%/PCS; 10PCS/Carton; 29kg±5%/箱; 外箱尺寸: 595*320*168mm[长*宽*高]
	尺寸	271*131*50mm (长*宽*高)

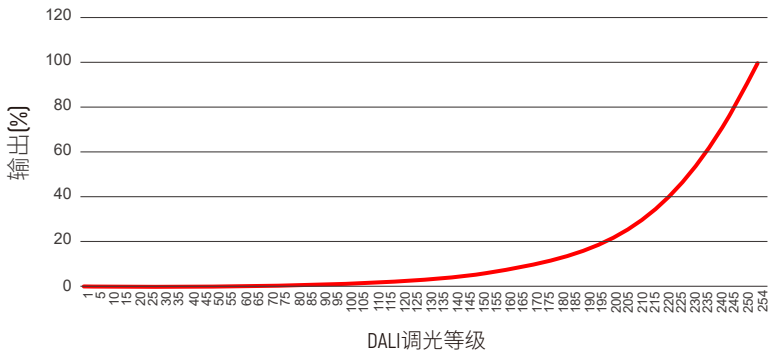
尺寸(mm)



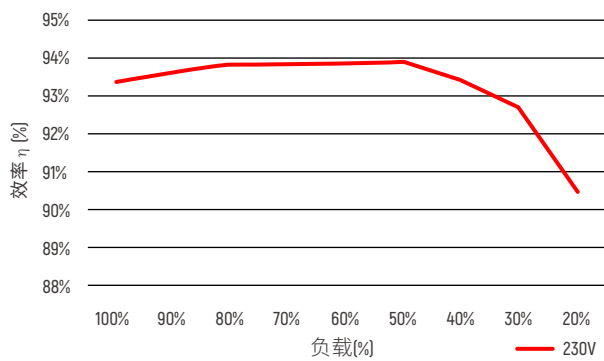
接线图



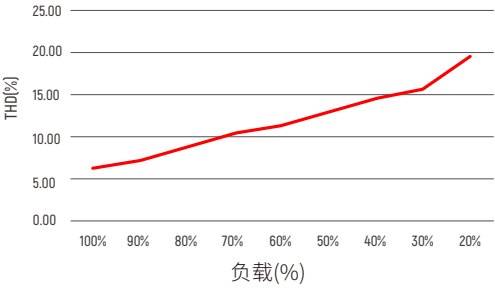
调光曲线



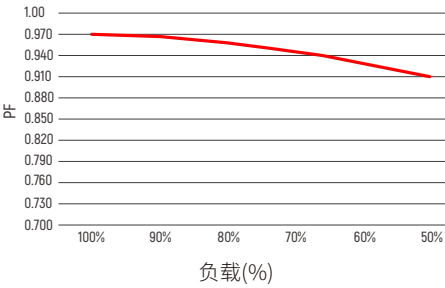
效率vs负载



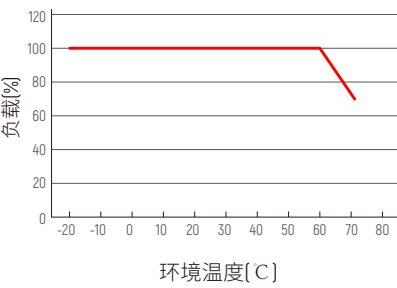
THD Vs 负载



PF Vs 负载



降额曲线



注意事项:

- 1、本产品请由具有专业资格的人员进行调试安装。
- 2、良好的散热条件会延长产品的使用寿命，请把产品安装在通风良好的环境。
- 3、请检查使用的LED电源输出电压电流，是否符合产品要求。
- 4、通电调试前，应确保所有接线正确，以避免因接线错误而导致灯具损坏。
- 5、如果发生故障，请勿私自维修；如果有疑问，请联系供应商。

※ 本说明书内容如有更新，恕不另行通知。若您使用的产品功能与说明书不一致时，请以产品为准。
如有疑问请与我们联系。