

DPC40-1H24V

Product overview

DPC40-1H24V is a constant voltage output LED driver that can be used indoors. This driver can be applied to small spaces such as cabinets and wardrobes, with a small size and convenient use.

Product Features

- Single channel constant voltage output, maximum current of 1.67A
- Input voltage: 220VAC~240VAC
- High efficiency up to 86%
- Protection: over load, over current, Over temperature, Short circuit
- No load power consumption ≤ 0.5W, THD<10%
- Small size, suitable for indoor LED cabinet wardrobe lighting fixtures

Technical Paramaters

Model	DPC40-1H24V	
Input	Efficiency	≥86%@230VAC, full load
	Voltage	220-240VAC
	Frequency Range(Hz)	50/60Hz
	Current	0.25Amax@230VAC
	PF	≥0.95@230VAC, full load
	THD	<10%@230VAC, full load
	Inrush current	Cold start,13.25A@230VAC 13.6us
	No load power	≤0.5W
	Turn on delay Time	≤ 0.75 s, @230Vac (When the light begins to shine)
Output	Power	40W
	Voltage	24VDC
	Current	1.67A
	Voltage Accuracye	±5%
	Channel	1
	Frequency	65K
Protection	Over load	Reduce voltage protection to troubleshoot normal output
	Short circuit	Short circuit with no output, restored to normal after powering on again
	Over Current	Reduce voltage protection to troubleshoot normal output
	Over temperature	No output, can be restored by re powering on after removing the fault
Safety& EMC	Surge	L-N 1000VAC
	Withstand Voltage	I/P-O/P:3750Vac/1min/<5mA
	Safety standards	IEC/EN62384, IEC/EN61347-1, IEC/EN61347-2-13, GB19510.1, GB19510.14
	EMC Eission	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	5M Ω
Others	Working temp.	ta:-20-45℃
	Storage Temp., Humidity	-40℃~85℃, 20-90%RH
	Tc	85℃ @230Vac
	IP	IP20
	Lifetime	30,000h@tc:85℃
	Warranty	5 year
	Switch cycle	15,000 times
	Packing size	Net weight:99g±5%/PCS; 75PCS/Carton; 7.9kg±5%/Carton; Carton Size: 418*244*135mm[L*W*H]
	Dimension	130*43*21mm[L*W*H]

Application



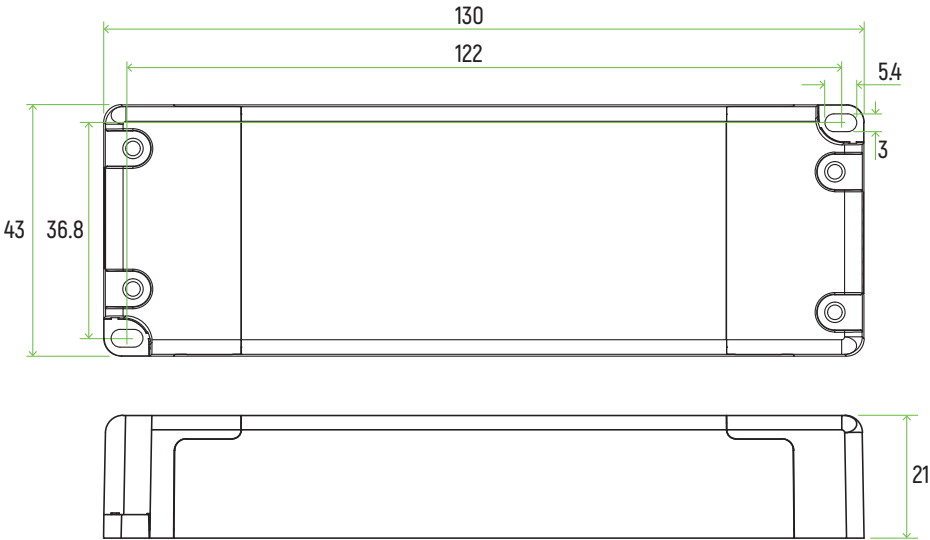
LED Strip Light



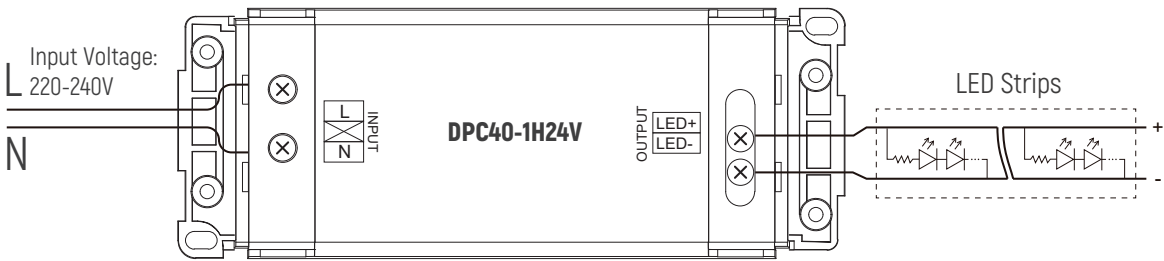
SELV



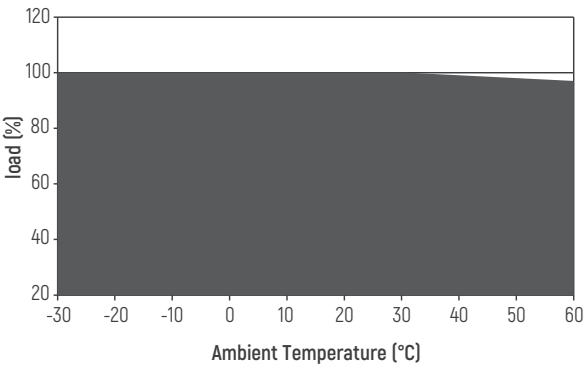
Dimension(mm)



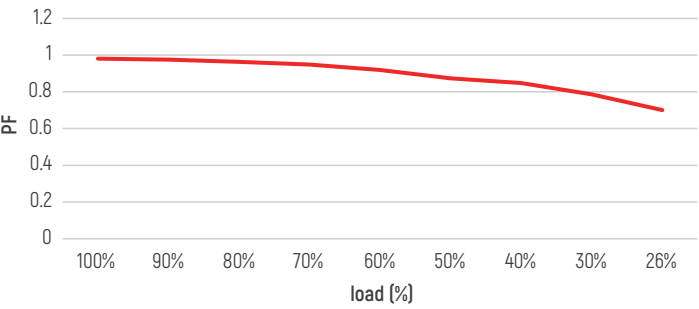
Wiring



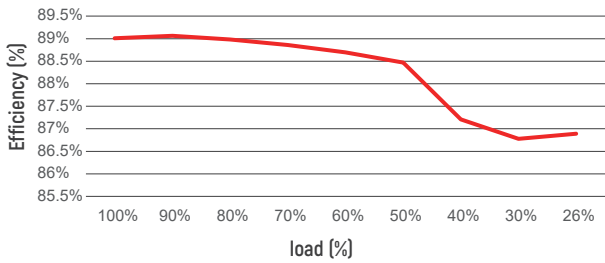
Derating Curve



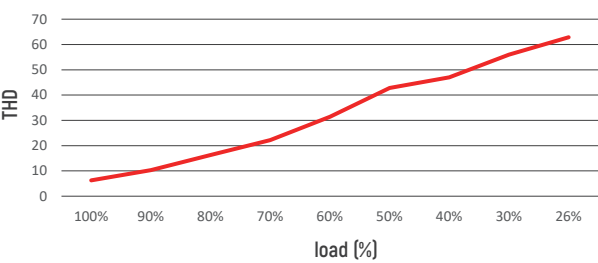
PF Curve



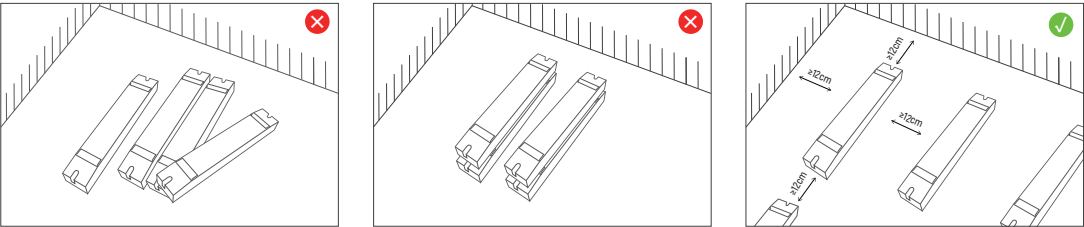
Efficiency Curve



THD Curve



Installation Precautions



Please do not stack the products. The distance between two products should be >12cm so as not to affect heat dissipation and the lifespan of the products.

Max. quantity of drivers per miniature circuit breaker

MCB	Input Voltage 230V Drivers	MCB	Input Voltage 230V Drivers
B10	40pcs	C10	40pcs
B13	52pcs	C13	52pcs
B16	65pcs	C16	64pcs
B20	80pcs	C20	80pcs
		D16	64pcs

Cautions

1. This product must be installed and adjusted by a qualified professional.
2. This product is non waterproof, need to avoid sun and rain.In case of outdoor use, please ensure it is mounted in a water proof enclosure.
3. Good heat dissipation conditions extend product life. Please install the product in a well-ventilated environment.
4. Please make sure LED power supply output voltage, current is used to meet the product requirements.
5. 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.
6. Due to safety concerns, PVC or rubber cord of 0.75- 1.5mm² is recommended for input and output terminal(s)(excluding signal terminals). Flat power cord is not suitable.Ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED lights.
7. 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 .

Warranty Agreement

1. Warranty periods from the date of delivery : 5 years.
2. Free repair or replacement services for quality problems are provided within warranty periods.

Warranty exclusions below:

1. Beyond warranty periods.
2. Any artificial damage caused by high voltage, overload, or improper operations
3. Products with severe physical damage.
4. Damage caused by natural disasters and force majeure.
5. Warranty labels and barcodes have been damaged.
6. No any contract signed by EUCHIPS.

· Repair or replacement provided is the only remedy for customers. EUCHIPS is not liable for any incidental or consequential damage unless it is within the law.
· EUCHIPS has the right to amend or adjust the terms of this warranty, and release in written form shall prevail.

DPC40-1H24V

产品概述

DPC40-1H24V是一款可以用于室内的恒压输出LED驱动器。
这款驱动器可以应用于橱柜，衣柜等狭小空间地方，
体积小使用方便。

产品特点

- 单通道恒压输出，最大电流为1.67A
- 输入电压：220VAC ~ 240VAC
- 高效率达 86 %
- 保护:过载、过流、短路、过温
- 空载功耗≤0.5W，THD<10%
- 体积小，适用于室内LED橱柜灯灯具

技术参数

型号	DPC40-1H24V	
输入	效率	≥86%@230VAC, 满载
	频率	50/60Hz
	电压	220-240VAC
	电流	0.25Amax@230Vac
	功率因素	≥0.95@230VAC, 满载
	THD	<10%@230VAC, 满载
	浪涌电流	冷启动,13.25A@230VAC 13.6us
	空载功耗	≤0.5W
	启动延时	≤ 0.75s, @230Vac (当灯光亮起)
输出	功率	40W
	电压	24VDC
	输出电流	1.67A
	电压精度	±5%
	通道	1
	输出频率	65K
保护	过负载	降低电压保护，排除故障输出正常
	短路	短路无输出,重新上电后恢复正常
	过流	降低电压保护，排除故障输出正常
	过温	无输出，去除故障后重新上电可恢复
安规 电磁兼容	雷击浪涌	L-N 1000VAC
	耐压	I/P-O/P:3750Vac/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	ta:-20-45℃
	储存温度、湿度	-40℃~85℃, 20-90%RH
	tc 温度点	85℃ @230Vac
	防水等级	IP20
	寿命	30,000小时@tc:85℃
	质保	5年
	开关周期	15,000次
	包装尺寸(重量)	净重: 130g±5%/PCS; 70PCS/Carton; 7.9kg±5%/箱; 外箱尺寸: 418*244*135 mm[长*宽*高]
	尺寸	130*43*21mm (长*宽*高)



应用



LED灯带



SELV



无频闪



短路保护



过载保护

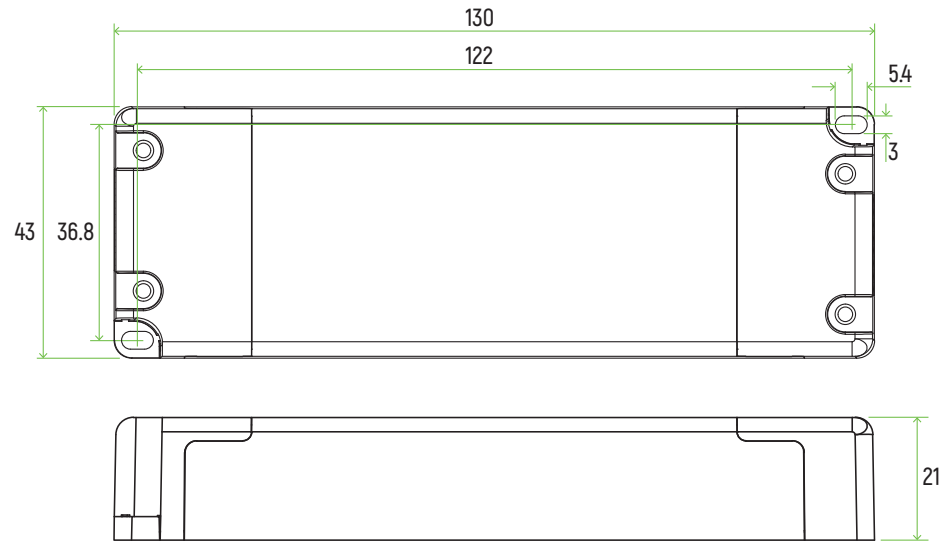


过流保护

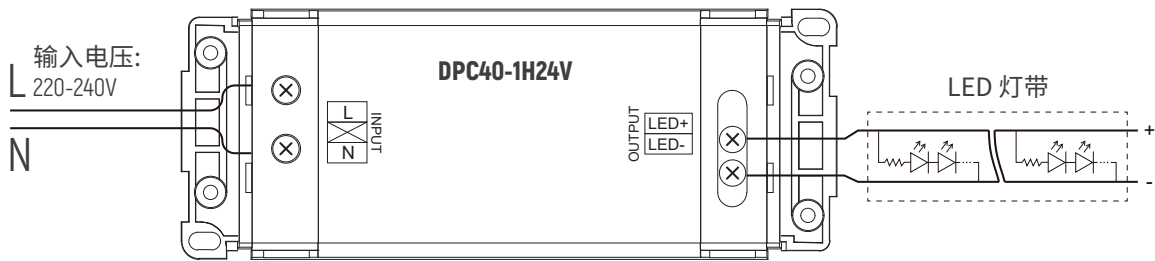


过温保护

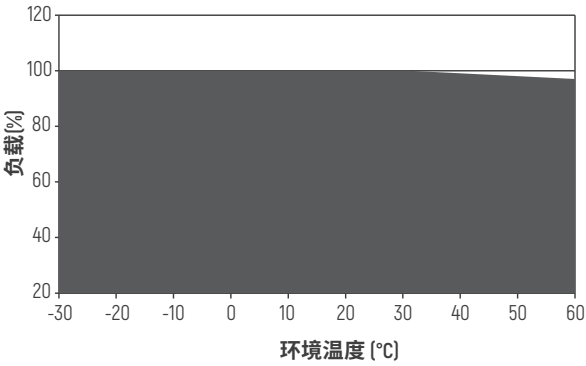
尺寸(mm)



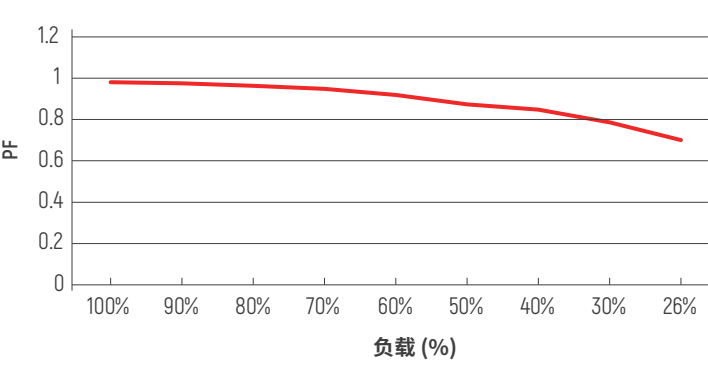
接线



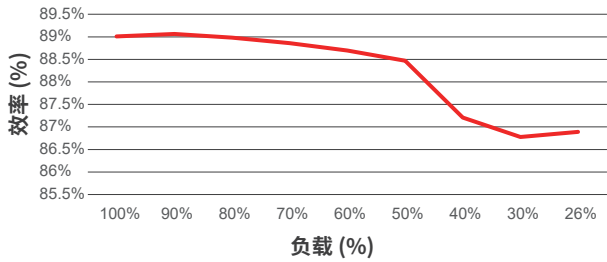
降额曲线



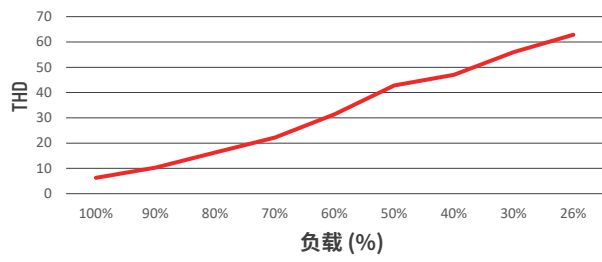
PF曲线



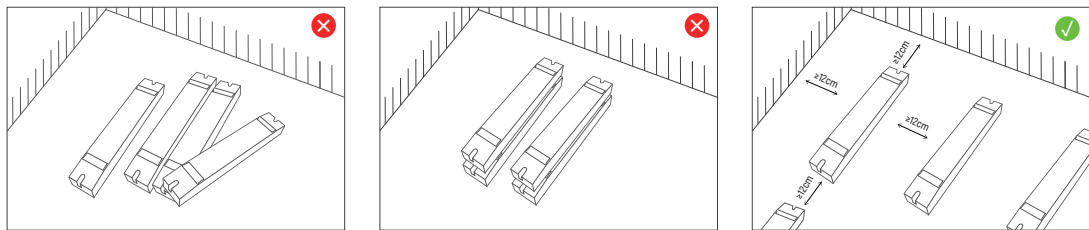
效率曲线



THD曲线



安装规范要求



请勿将产品堆叠摆放，产品与产品间隔距离应 $\geq 12\text{cm}$ ，避免影响产品散热和使用寿命。

断路器带载说明

MCB	输入电压230V 驱动器数量	MCB	输入电压230V 驱动器数量
B10	40pcs	C10	40pcs
B13	52pcs	C13	52pcs
B16	64pcs	C16	64pcs
B20	80pcs	C20	80pcs
		D16	64pcs

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、本产品不能防水，需避免日晒雨淋，如安装在户外，请用防水箱。
- 3、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。
- 4、请检查使用的LED电源输出电压电流，是否符合产品要求。
- 5、出于安全考虑，推荐输入和输出（信号端除外）用 $0.75\text{-}1.5\text{mm}^2$ PVC或橡胶线缆，并确保接线牢固，以免电线过热或接触不良触发事故。扁平电源线不适用。
- 6、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。
- 7、如果发生故障，请勿私自维修；如有疑问，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。

保修条例

- 1、自出厂之日起保修服务期为5年。
- 2、在保修服务期内出现产品质量问题欧切斯将给予免费修理或更换服务。

非保修条例:

属下列情况不在免费保修或更换服务范围之内:

- 1、已经超出保修服务期;
- 2、过高电压、超负载、操作不当等人为造成的损坏;
- 3、产品外形严重损坏或变形;
- 4、自然灾害以及人力不可抗拒原因造成的损坏;
- 5、产品保修标签和产品唯一条形码损坏;
- 6、无欧切斯签订的合同或发票凭证。

修理或更换是欧切斯对客户的最唯一补救措施。欧切斯不承担任何附带引起的损害赔偿，除非在适用法律范围之内。
欧切斯享有修正或调整本保修条款的权利，并以书面形式发布为准。