



Power Your Idea

GlacialPower CV Driver Solutions

LED 電源 產品 目錄 2020 February



▲ LED CV Driver- Plastic Housing

CV - IP 02

GP-CVP Series (12W ~ 60W)

GP-LE Series (36W ~ 150W)

GP-HS Series (15W ~ 25W)

GP-RS Series

(Double Insulation Cable Wire, 15W)

CV Terminal Block Type 06

GP-CVP Series (12W ~ 36W)

GP-LV Series (6W)

CV Dimming (3-in-1) 08

GP-LP Series (60W)

CV Dimming (Triac) 09

GP-CVP Series (40W~75W, 230Vac)

▲ LED CV Driver - Metal Housing

CV - IP 10

GP-CVM Series (200W ~ 400W)

GP-CVM Series (100W ~ 200W, 277Vac)

CV - Terminal Blocks Type 13

GP-LV Series (48W)

CV Dimming (3-in-1) 13

GP-CVM Series (100W~200W, 277Vac)

CV Dimming (Triac) 14

GP-TH Series (120W, 230Vac)

CV Dimming (DALI) 15

GP-CVM Series (100W~200W, 277Vac)

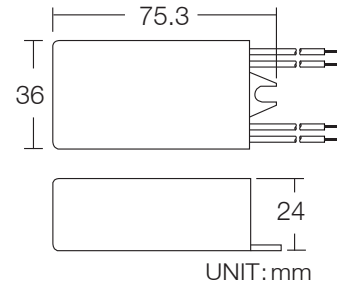
02 LED CV Driver - Plastic Housing **CV - IP**

GP-CVP Series (12W ~ 60W)



GP-CVP012N Series

Universal AC Input Range 90~264VAC.
Class II Power Design without Earth Pin.
Protections : OCP/ SCP.
No Load Consumption < 0.5W at 230VAC.

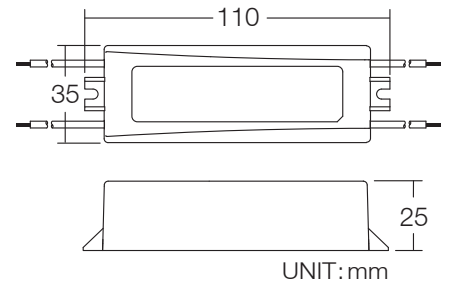


Model No. 型號	Output Voltage 輸出電壓	Rated Current 額定電流	Efficiency 效率	Tolerance(V) 公差	Watts 瓦
GP-CVP012N-12V-P02	12VDC	0~1000mA	81%	± 5%	12W
GP-CVP012N-24V-P02	24VDC	0~500mA	83%	± 5%	12W



GP-CVP036N Series

Universal AC Input Range 90 ~ 264VAC.
Class 2 Power Supply Unit.
Fully Isolated Plastic Case.
Protections: OCP/SCP/OTP/OVP.
No Load Consumption < 0.5W at 230VAC.

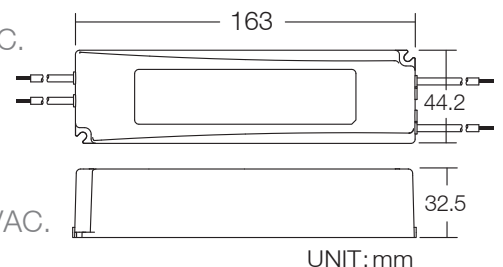


Model No. 型號	Output Voltage 輸出電壓	Rated Current 額定電流	Efficiency 效率	Tolerance(V) 公差	Watts 瓦
GP-CVP036N-12V-P02	12VDC	0~3A	83%	± 5%	36W
GP-CVP036N-24V-P02	24VDC	0~1.5A	85%	± 5%	36W



GP-CVP060N Series

Universal AC Input Range 90 ~ 264VAC.
Class 2 Power Supply Unit.
Fully Isolated Plastic Case.
Protections: OCP/SCP/OVP.
No Load Consumption < 0.5W at 230VAC.



Model No. 型號	Output Voltage 輸出電壓	Rated Current 額定電流	Efficiency 效率	Tolerance(V) 公差	Watts 瓦
GP-CVP060N-05V-P02	5VDC	0~8A	76%	± 5%	40W
GP-CVP060N-12V-P02	12VDC	0~5A	85%	± 5%	60W
GP-CVP060N-24V-P02	24VDC	0~2.5A	86%	± 5%	60W



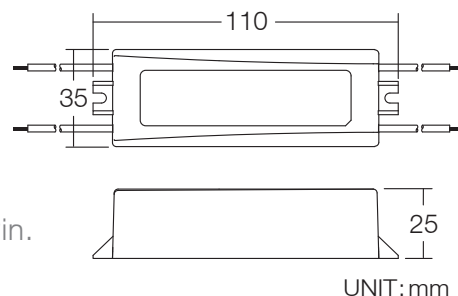
*All the specifications subject to change without notice.

GP-LE Series (36W ~ 150W)



GP-LE036N Series

Universal AC Input 90~264VAC.
Operation from -20°C~40°C Full Load.
Protections: OTP / SCP / OLP.
Class II Power Design Without Earth Pin.



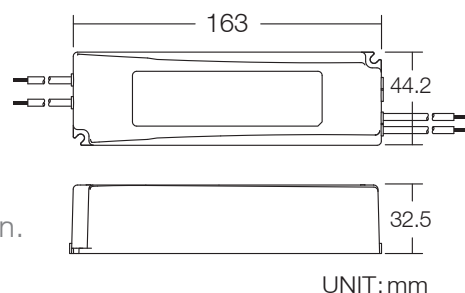
Model No. 型號	Output Voltage 輸出電壓	Rated Current 額定電流	Efficiency 效率	Tolerance(V) 公差	Watts 瓦
GP-LE036N-12V	12VDC	0~3A	83%	± 5%	36W
GP-LE036N-24V	24VDC	0~1.5A	85%	± 5%	36W

CE FC SELV cULus IP67 M M □



GP-LE060N Series

Universal AC Input 90~264VAC.
Operation from -20°C~40°C Full Load.
Protections: OTP / SCP / OLP.
Class II Power Design Without Earth Pin.



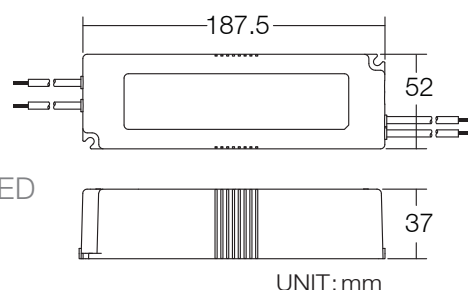
Model No. 型號	Output Voltage 輸出電壓	Rated Current 額定電流	Efficiency 效率	Tolerance(V) 公差	Watts 瓦
GP-LE060N-12V	12VDC	0~5A	85%	± 5%	60W
GP-LE060N-24V	24VDC	0~2.5A	85%	± 5%	60W

CE FC SELV cULus IP67 M M □ (only 12V)



GP-LE100N Series

Universal AC Input 90~264VAC.
Class 2 Power Supply Unit.
Protections: OLP/SCP/OTP/OVP.
Suitable for Use in LED Strip Lights, LED Signage and Moving Signs.



Model No. 型號	Output Voltage 輸出電壓	Rated Current 額定電流	Efficiency 效率	Tolerance(V) 公差	Watts 瓦
GP-LE100N-12V	12VDC	0~8.5A	83%	± 6%	102W
GP-LE100N-24V	24VDC	0~4.2A	86%	± 5%	100W

CE SELV EQUIVALENT cULus IP67 □

04 LED CV Driver - Plastic Housing **CV - IP**

GP-LE Series (36W ~ 150W)



GP-LE150N Series

AC input 180 ~ 264 VAC.

Class 2 Power Supply Unit.

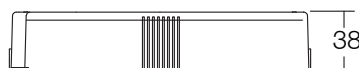
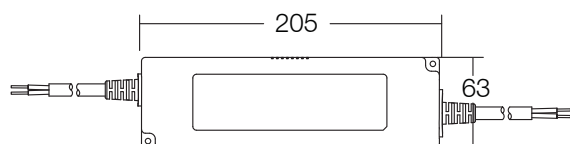
Fully isolated plastic case & isolation cable.

No Load Consumption < 0.5W at 230VAC.

Protections : OVP, OCP, SCP, OTP.

Model No. 型號	Output Voltage 輸出電壓	Rated Current 額定電流	Efficiency 效率	Tolerance(V) 公差	Watts 瓦
GP-LE150N-12V	12VDC	0-10A	87%	± 5%	120W
GP-LE150N-24V	24VDC	0-6.25A	89%	± 5%	150W

CE **SELV** **IP67**  

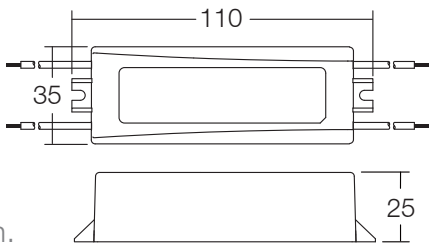


UNIT:mm



GP-HS15P Series

Universal AC Input 90~264VAC.
Operation from -20°C~60°C Full Load.
Protections: OTP / SCP / OLP.
Class II Power Design Without Earth Pin.



UNIT:mm

Model No. 型號	Output Voltage 輸出電壓	Rated Current 額定電流	Efficiency 效率	Tolerance(V) 公差	Watts 瓦
GP-HS15P-12V	12VDC	0~1250mA	81%	± 5%	15W
GP-HS15P-24V	24VDC	0~630mA	83%	± 5%	15.1W
GP-HS15P-36V	36VDC	0~420mA	83%	± 5%	15.1W
GP-HS15P-48V	48VDC	0~300mA	84%	± 5%	14.4W

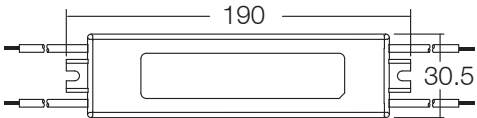


GP-HS25P Series

Universal AC Input 90~295VAC.
Built-in PFC Function.
Protections: OTP / SCP / OVP.
THD < 20% at 240VAC/50Hz.
Operation from -20°C~50°C Full Load.
Class 2 Power Supply Unit.



Model No. 型號	Output Voltage 輸出電壓	Rated Current 額定電流	Efficiency 效率	Tolerance(V) 公差	Watts 瓦
GP-HS25P-12V	12VDC	0~2100mA	82%	± 5%	25.2W
GP-HS25P-18V	18VDC	0~1400mA	83%	± 5%	25.2W
GP-HS25P-24V	24VDC	0~1050mA	84%	± 5%	25.2W
GP-HS25P-36V	36VDC	0~700mA	85%	± 5%	25.2W
GP-HS25P-48V	48VDC	0~520mA	83%	± 5%	24.9W
GP-HS25P-52V	52VDC	0~480mA	84%	± 5%	24.9W



UNIT:mm

06 LED CV Driver - Plastic Housing **CV - IP**

GP-RS Series (Double Insulation Cable Wire, 15W)



GP-RS15P Series

Universal AC Input 90~264VAC.

No Load Consumption < 0.5W

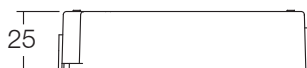
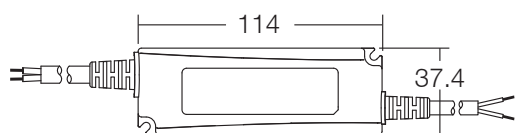
Meet Application For ErP EU_1194_2012, Stage 3.

Operation from -20°C ~60°C Full Load.

Protections: OTP / SCP / OLP.

Class II Power Design Without Earth Pin.

Model No. 型號	Output Voltage 輸出電壓	Rated Current 額定電流	Efficiency 效率	Tolerance(V) 公差	Watts 瓦
GP-RS15P-12V	12VDC	0~1250mA	81%	± 5%	15W
GP-RS15P-24V	24VDC	0~630mA	83%	± 5%	15.1W
GP-RS15P-36V	36VDC	0~420mA	83%	± 5%	15.1W
GP-RS15P-48V	48VDC	0~300mA	84%	± 5%	14.4W



UNIT:mm

CE FC SELV IP67   

LED CV Driver - Plastic Housing **CV - Terminal Blocks**

GP-CVP Series (12W ~ 36W)



GP-CVP012N Series

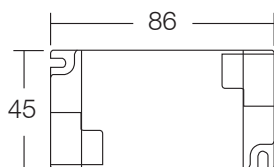
Universal AC Input Range 90~264VAC.

Class 2 Power Supply Unit.

Protections : OCP / SCP.

No Load Consumption < 0.5W at 230VAC.

Model No. 型號	Output Voltage 輸出電壓	Rated Current 額定電流	Efficiency 效率	Tolerance(A) 公差	Watts 瓦
GP-CVP012N-12V-T02	12VDC	0~1000mA	81%	± 5%	12W
GP-CVP012N-24V-T02	24VDC	0~500mA	83%	± 5%	12W



UNIT:mm

CE FC SELV     

GP-CVP Series (12W ~ 36W)**GP-CVP036N Series**

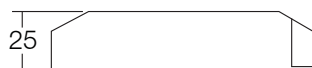
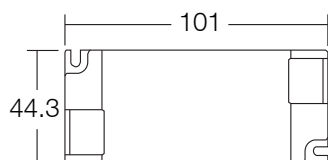
Universal AC Input Range 90~264VAC.

Class 2 Power Supply Unit.

Protections : OCP/SCP/OTP/OVP.

No Load Consumption < 0.5W at 230VAC.

Model No. 型號	Output Voltage 輸出電壓	Rated Current 額定電流	Efficiency 效率	Tolerance(A) 公差	Watts 瓦
GP-CVP036N-12V-T02	12VDC	0~3A	83%	± 5%	36W
GP-CVP036N-24V-T02	24VDC	0~1.5A	85%	± 5%	36W



UNIT:mm

GP-LV Series (6W)**GP-LVxxxx-01 Series**

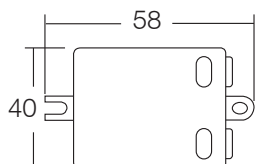
Universal AC Input 90~264VAC.

Operation from -10°C~40°C Full Load.

Protections: OVP / OLP/ SCP.

Class II Power Design Without Earth Pin.

Model No. 型號	Output Voltage 輸出電壓	Rated Current 額定電流	Efficiency 效率	Watts 瓦
GP-LV5012-01	12VDC	0~500mA	75%	6W
GP-LV2524-01	24VDC	0~250mA	75%	6W



UNIT:mm

GP-LP Series (60W)

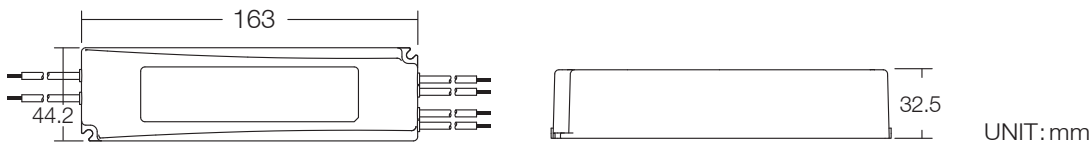


GP-LP060P-xxVA Series

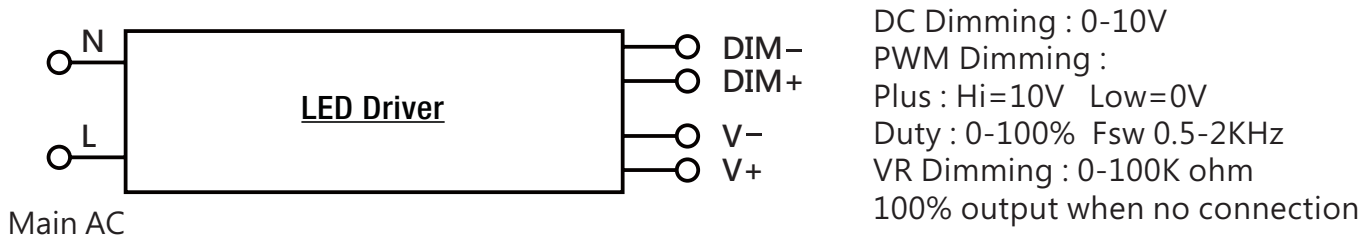
Universal AC Input 90~305VAC.
 Class 2 Power Supply Unit.
 Built in 2 Stage PFC Function.
 Protections: OVP / OCP / SCP / OTP.
 Cooling by Free Air Convection.
 Constant Voltage 3 in 1 Dimming Type.

Model No. 型號	Output Voltage 輸出電壓	Rated Current 額定電流	Efficiency 效率	Tolerance(V) 公差	Watts 瓦
GP-LP060P-12VA	12VDC	0~5mA	85%	± 1V	60W
GP-LP060P-24VA	24VDC	0~2.5mA	85%	± 1V	60W

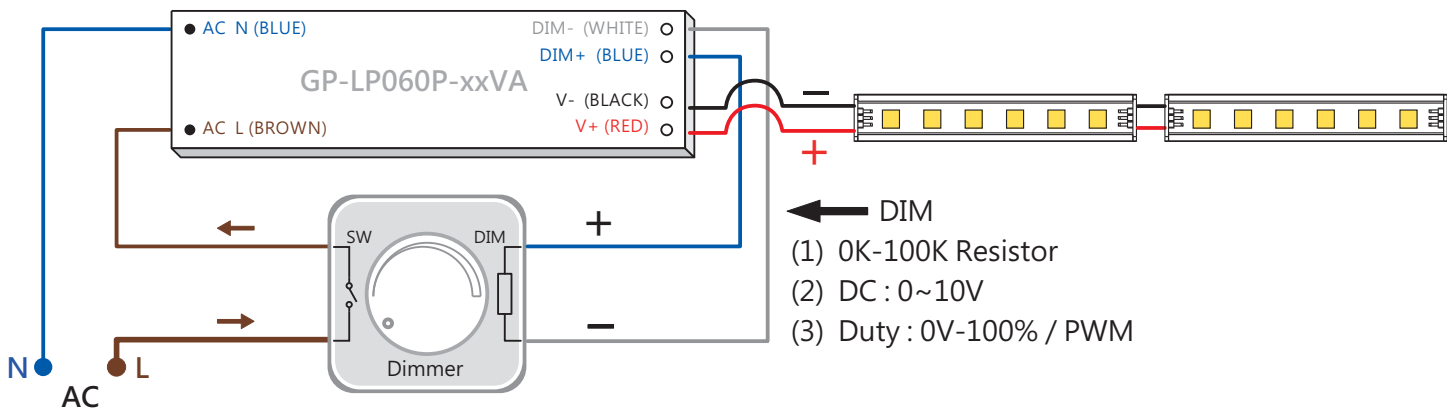
CE
 FC
 c
 UL
 US
 IP67
 F
 110
 110



Block Diagram (Dimming function by optional)



Applications



GP-CVP Series (40W ~ 75W)

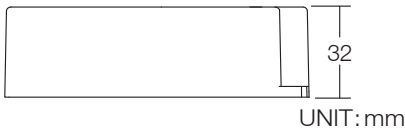
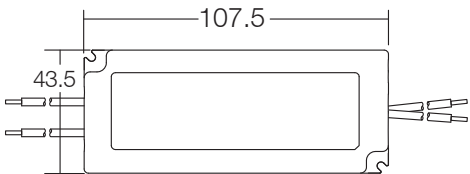


GP-CVP040N Series

AC input range from 205 to 256V AC.
Work with leading edge and trailing edge TRIAC dimmers.
AC phase-cut dimming.
Safety protections include OVP, OCP, SCP, and OTP.
Appropriate for LED strips application.

Model No. 型號	Output Voltage 輸出電壓	Rated Current 額定電流	Efficiency 效率	Tolerance(V) 公差	Watts 瓦
GP-CVP040N-12VH-P02	12VDC	3.4A	82%	± 5%	40.8W
GP-CVP040N-24VH-P02	24VDC	1.7A	84%	± 5%	40.8W

CE SELV IP65 M M

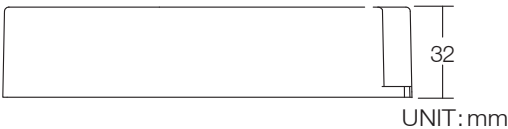
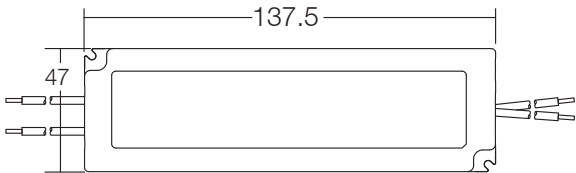


GP-CVP075N Series

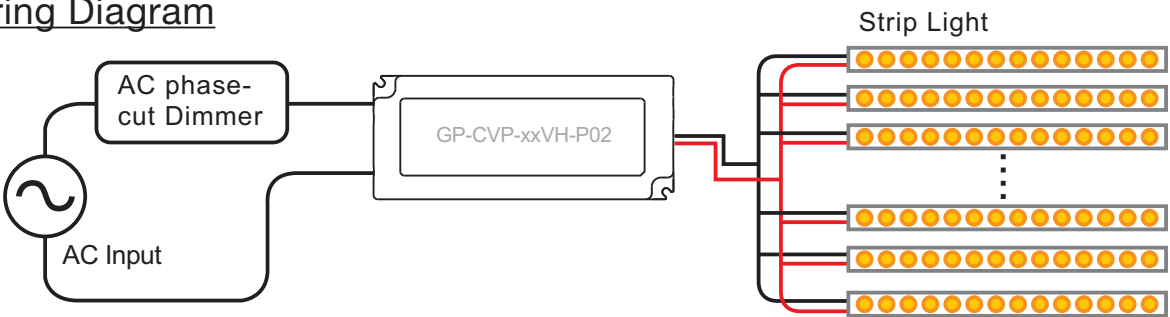
AC input range from 205 to 256V AC.
Work with leading edge and trailing edge TRIAC dimmers.
AC phase-cut dimming.
Safety protections include OVP, OCP, SCP, and OTP.
Appropriate for LED strips application.

Model No. 型號	Output Voltage 輸出電壓	Rated Current 額定電流	Efficiency 效率	Tolerance(V) 公差	Watts 瓦
GP-CVP075N-12VH-P02	12VDC	5A	83%	± 5%	60W
GP-CVP075N-24VH-P02	24VDC	3.2A	84%	± 5%	76.8W

CE SELV IP65



Wiring Diagram



GP-CVM Series (200W ~ 400W)



GP-CVM200P Series

Universal AC Input Range 90~264VAC.

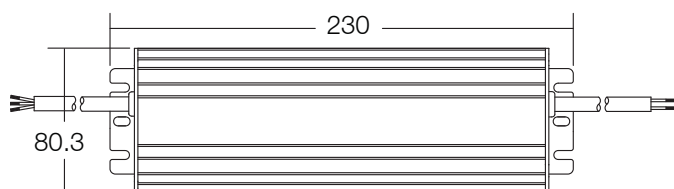
Built-in PFC Function.

Protections: OVP / OCP / SCP / OTP.

Cooling by Free Air Convection.

Model No. 型號	Output Voltage 輸出電壓	Rated Current 額定電流	Efficiency 效率	Tolerance 公差	Watts 瓦
GP-CVM200P-12V	12VDC	0~16.7A	92.5%	± 5%	200.4W
GP-CVM200P-24V	24VDC	0~8.3A	93%	± 5%	199.2W
GP-CVM200P-36V	36VDC	0~5.5A	93%	± 5%	198W
GP-CVM200P-48V	48VDC	0~4.15A	93%	± 5%	199.2W

CE FC SELV EQUIVALENT IP67 F 110



UNIT:mm

GP-CVM300P Series

Universal AC Input range 90~264VAC.

Built-in PFC Function.

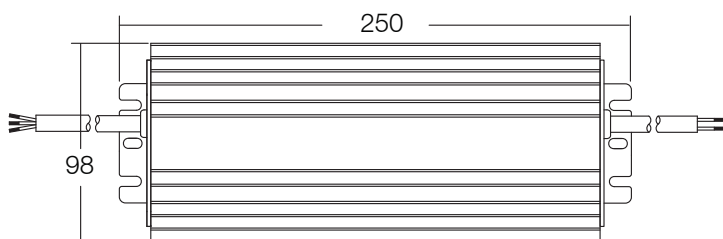
Protections: OVP / OCP / SCP / OTP.

Cooling by Free Air Convection



Model No. 型號	Output Voltage 輸出電壓	Rated Current 額定電流	Efficiency 效率	Tolerance 公差	Watts 瓦
GP-CVM300P-24V	24VDC	0~12.5A	94%	± 5%	300W
GP-CVM300P-36V	36VDC	0~8.3A	93%	± 5%	298.8W
GP-CVM300P-48V	48VDC	0~6.25A	93%	± 5%	300W

CE FC SELV EQUIVALENT IP67 F 110



UNIT:mm

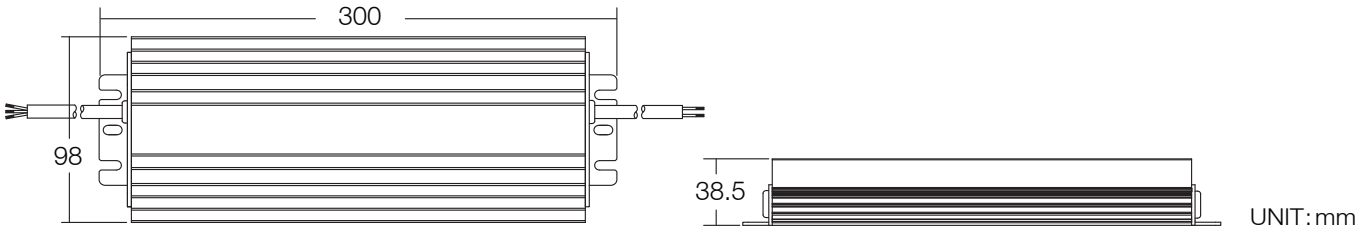
GP-CVM Series (200W ~ 400W)



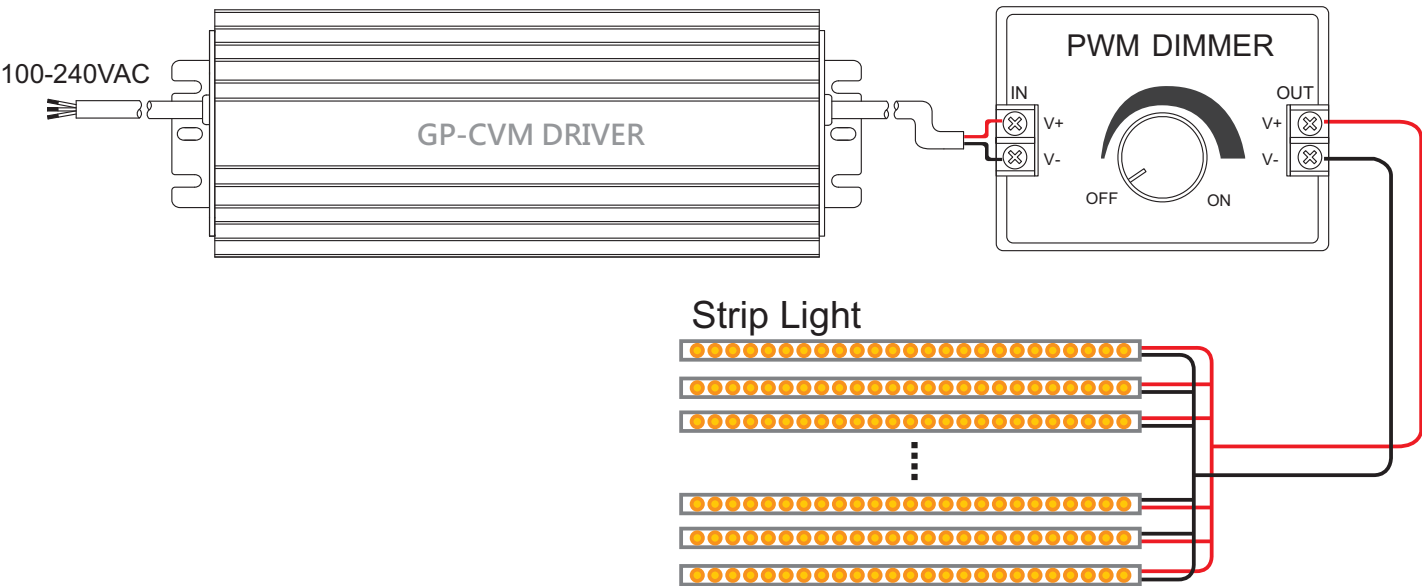
GP-CVM400P Series

Universal AC Input range 90~264VAC.
Built-in PFC Function.
Protections: OVP / OCP / SCP / OTP.
Cooling by Free Air Convection.

Model No. 型號	Output Voltage 輸出電壓	Rated Current 額定電流	Efficiency 效率	Tolerance 公差	Watts 瓦
GP-CVM400P-24V	24VDC	0~16.7A	93%	± 5%	400W
GP-CVM400P-36V	36VDC	0~11.1A	93%	± 5%	399.6W
GP-CVM400P-48V	48VDC	0~8.3A	93%	± 5%	398.4W



Applications



The GP-CVM series are the silent LED drivers, include connecting to the external PWM dimming controller with low noise operation.

GP-CVM Series (100W ~ 200W) 277Vac**GP-CVM100P Series**

Universal AC input from 90 to 305Vac.

Built-in Active PFC function.

Protections: OVP, OCP, SCP and OTP.

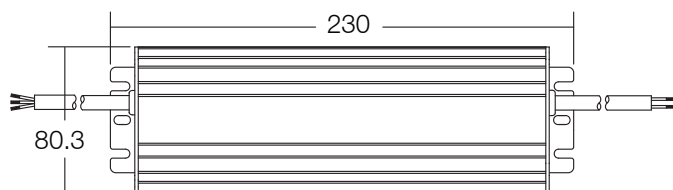
No load consumption < 0.5W at 230Vac

Suitable for LED strips and light box applications.

The output and dimming lines are compliant with the new regulations with isolation.

Model No. 型號	Output Voltage 輸出電壓	Rated Current 額定電流	Efficiency 效率	Tolerance 公差	Watts 瓦
GP-CVM100P-12V	12VDC	0~8.3A	93%	± 5%	99.6W
GP-CVM100P-24V	24VDC	0~4.2A	93%	± 5%	100.8W
GP-CVM100P-36V	36VDC	0~2.8A	93%	± 5%	100.8W
GP-CVM100P-48V	48VDC	0~2.1A	93%	± 5%	100.8W

CE FC SELV IP67 cULus

**GP-CVM200P Series**

Universal AC input from 90 to 305Vac.

Built-in Active PFC function.

Protections: OVP, OCP, SCP and OTP.

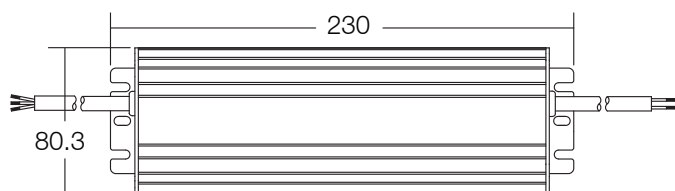
No load consumption < 0.5W at 230Vac

Suitable for LED strips and light box applications.

The output and dimming lines are compliant with the new regulations with isolation.

Model No. 型號	Output Voltage 輸出電壓	Rated Current 額定電流	Efficiency 效率	Tolerance 公差	Watts 瓦
GP-CVM200P-12V	12VDC	0~16.7A	92%	± 5%	200.4W
GP-CVM200P-24V	24VDC	0~8.3A	93%	± 5%	199.2W
GP-CVM200P-36V	36VDC	0~5.5A	93.5%	± 5%	198W
GP-CVM200P-48V	48VDC	0~4.15A	94%	± 5%	199.2W

CE FC SELV IP67 cULus



GP-LV Series (48W)**GP-LVB024-32D**

Universal AC Input from 90~305VAC.

Built-in Active PFC Function.

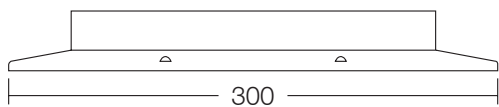
Constant Voltage Mode (Designed for LED Strip Lighting Only).

Protections: OCP / SCP.

Excellent for Furniture Lighting and Cramped Spaces.



Model No. 型號	Output Voltage 輸出電壓	Rated Current 額定電流	Efficiency 效率	Watts 瓦
GP-LVB024-32D	24VDC	0~2A	84%	48W

LED CV Driver - Metal Housing (PFC, IP67) **CV - Dimming (3-in-1)****GP-CVM Series (100W ~ 200W) 277Vac****GP-CVM100P-xxVA Series**

Universal AC input from 90 to 305Vac.

Built-in Active PFC function.

Protections: OVP, OCP, SCP and OTP.

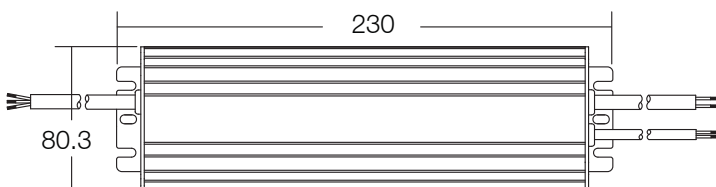
No load consumption < 0.5W at 230Vac

Suitable for LED strips and light box applications.

3-in-1 dimming (dim-to-off) functions available.



Model No. 型號	Output Voltage 輸出電壓	Rated Current 額定電流	Efficiency 效率	Tolerance 公差	Watts 瓦
GP-CVM100P-12VA	12VDC	0~8.3A	93%	± 5%	99.6W
GP-CVM100P-24VA	24VDC	0~4.2A	93%	± 5%	100.8W
GP-CVM100P-36VA	36VDC	0~2.8A	93%	± 5%	100.8W
GP-CVM100P-48VA	48VDC	0~2.1A	93%	± 5%	100.8W



14 LED CV Driver - Metal Housing (PFC, IP67) **CV - Dimming (3-in-1)**

GP-CVM Series (100W ~ 200W) 277Vac



GP-CVM200P-xxVA Series

Universal AC input from 90 to 305Vac.

Built-in Active PFC function.

Protections: OVP, OCP, SCP and OTP.

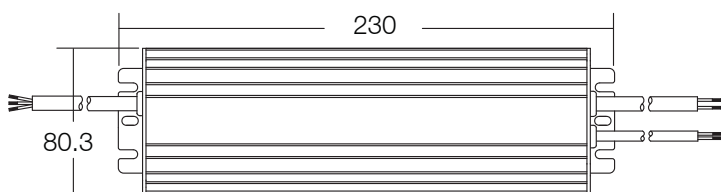
No load consumption < 0.5W at 230Vac

Suitable for LED strips and light box applications.

3-in-1 dimming (dim-to-off) functions available.

The output and dimming lines are compliant with the new regulations with isolation.

Model No. 型號	Output Voltage 輸出電壓	Rated Current 額定電流	Efficiency 效率	Tolerance 公差	Watts 瓦
GP-CVM200P-12VA	12VDC	0~16.7A	92%	± 5%	200.4W
GP-CVM200P-24VA	24VDC	0~8.3A	93%	± 5%	199.2W
GP-CVM200P-36VA	36VDC	0~5.5A	93.5%	± 5%	198W
GP-CVM200P-48VA	48VDC	0~4.15A	94%	± 5%	199.2W



CE FC SELV IP67 cULus



LED CV Driver - Metal Housing (PFC, IP67) **CV Triac Dimming**

GP-TH Series (120W, 230Vac)



GP-TH120N-24V

AC phase-cut dimming

Input range from 205VAC to 256VAC.

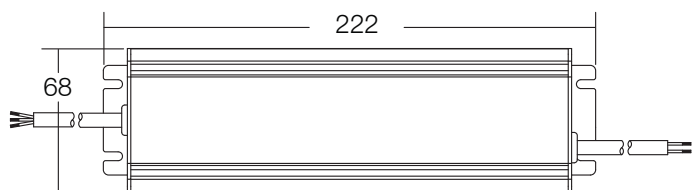
Work with leading edge and trailing edge TRIAC dimmers.

Protections: Over current / Short Circuit /Over Voltage/
Over Temperature.

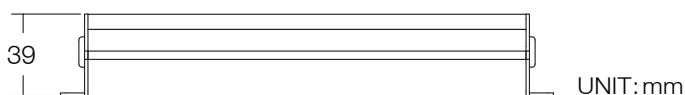
Class I power unit, with FG.

Appropriate for 24V LED strips appliance.

Model No. 型號	Output Voltage 輸出電壓	Rated Current 額定電流	Efficiency 效率	Tolerance(V) 公差	Watts 瓦
GP-TH120N-24V	24VDC	5000mA	84%	± 5%	120W



CE SELV IP67



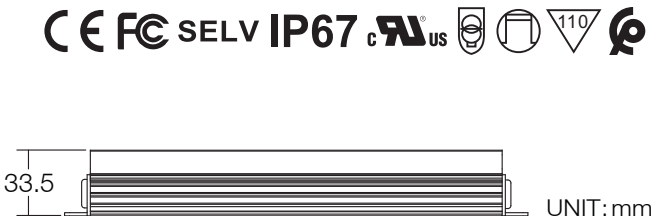
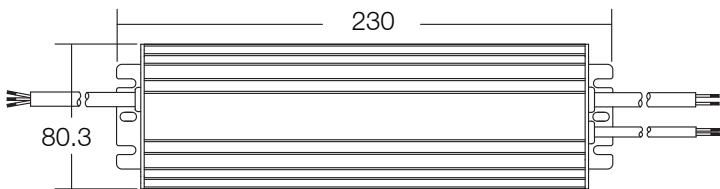
GP-CVM Series (100W ~ 200W) 277Vac



GP-CVM100P-xxVD Series

Universal AC input from 90 to 305Vac.
Built-in Active PFC function.
Protections: OVP, OCP, SCP and OTP.
No load consumption < 0.5W at 230Vac
Suitable for LED strips and light box applications.
DALI functions available.

Model No. 型號	Output Voltage 輸出電壓	Rated Current 額定電流	Efficiency 效率	Tolerance 公差	Watts 瓦
GP-CVM100P-12VD	12VDC	0~8.3A	93%	± 5%	99.6W
GP-CVM100P-24VD	24VDC	0~4.2A	93%	± 5%	100.8W
GP-CVM100P-36VD	36VDC	0~2.8A	93%	± 5%	100.8W
GP-CVM100P-48VD	48VDC	0~2.1A	93%	± 5%	100.8W

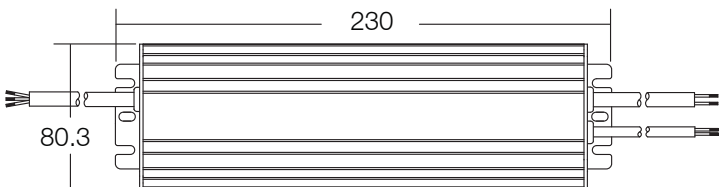


GP-CVM200P-xxVD Series

Universal AC input from 90 to 305Vac.
Built-in Active PFC function.
Protections: OVP, OCP, SCP and OTP.
No load consumption < 0.5W at 230Vac
Suitable for LED strips and light box applications.
DALI functions available.
The output and dimming lines are compliant with the new regulations with isolation.



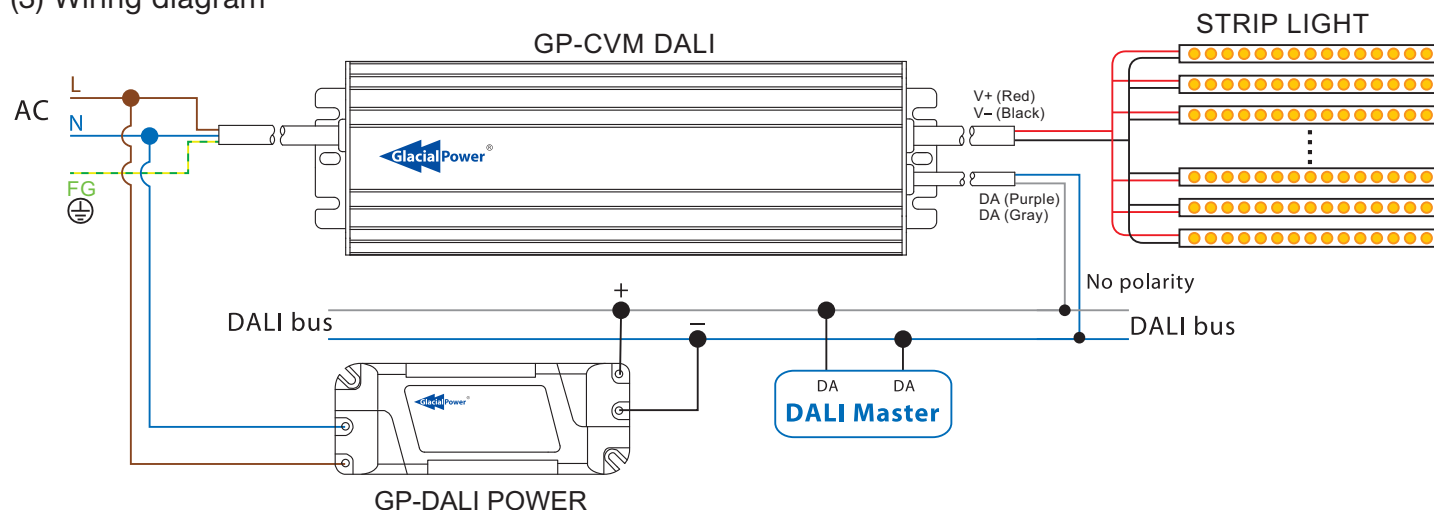
Model No. 型號	Output Voltage 輸出電壓	Rated Current 額定電流	Efficiency 效率	Tolerance 公差	Watts 瓦
GP-CVM200P-12VD	12VDC	0~16.7A	92%	± 5%	200.4W
GP-CVM200P-24VD	24VDC	0~8.3A	93%	± 5%	199.2W
GP-CVM200P-36VD	36VDC	0~5.5A	93.5%	± 5%	198W
GP-CVM200P-48VD	48VDC	0~4.15A	94%	± 5%	199.2W



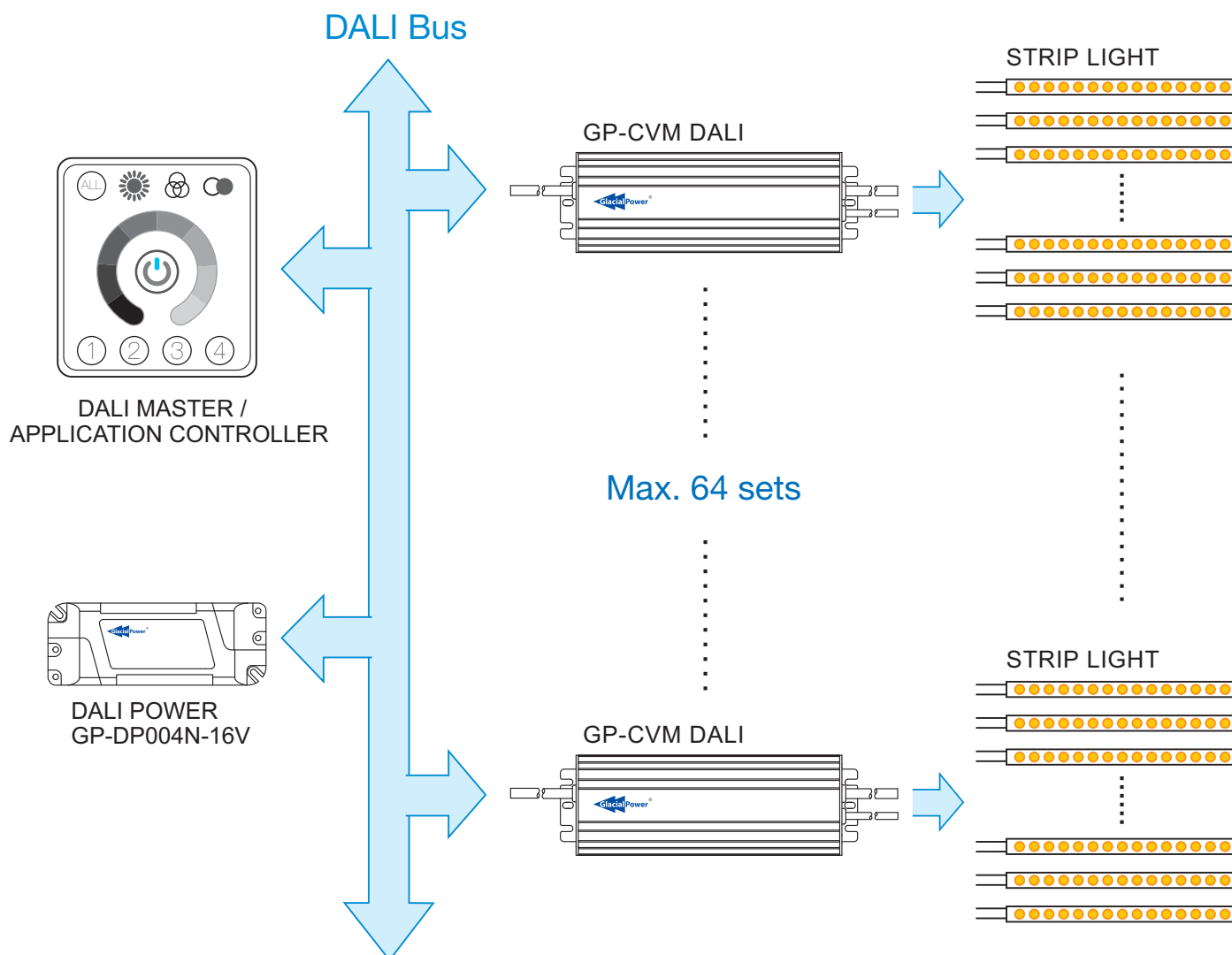
DALI interface

DALI Function Description:

- (1) Apply DALI signal between DA wires
- (2) First step is fixed at 1% of output
- (3) Wiring diagram



(4) Application diagram





website



facebook

GlacialTech®

洋鑫科技股份有限公司 **GlacialTech Inc.**

地址：新北市中和區235中山路二段352號7樓
7F, No. 352, Sec. 2, Zhongshan Rd., Zhonghe Dist.,
New Taipei City, Taiwan, 235

Tel : +886 2 2244-1227 Fax : +886 2 2244-1228

Email : sales@GlacialTech.com Website : www.GlacialTech.com

