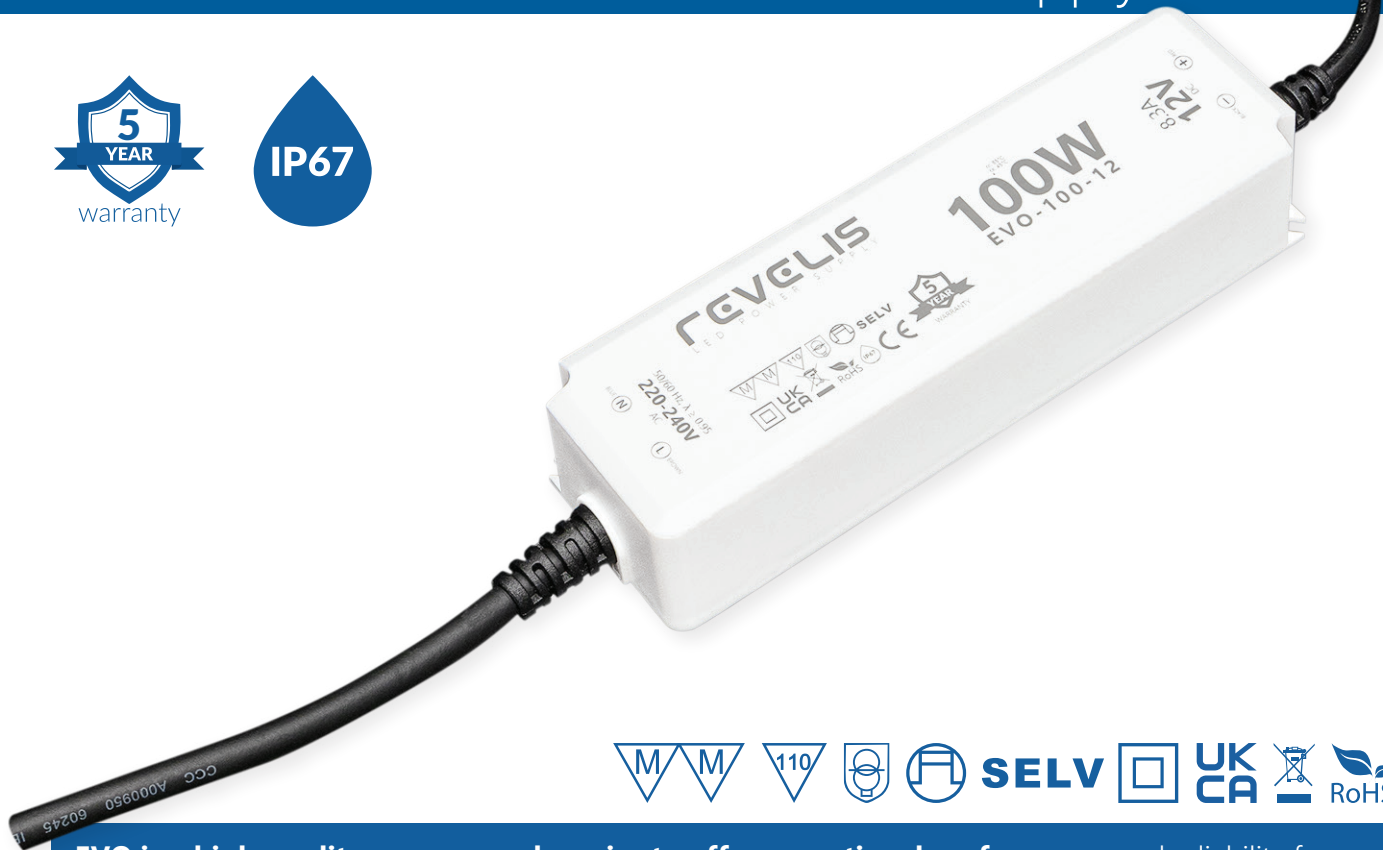


# EVO-100-12

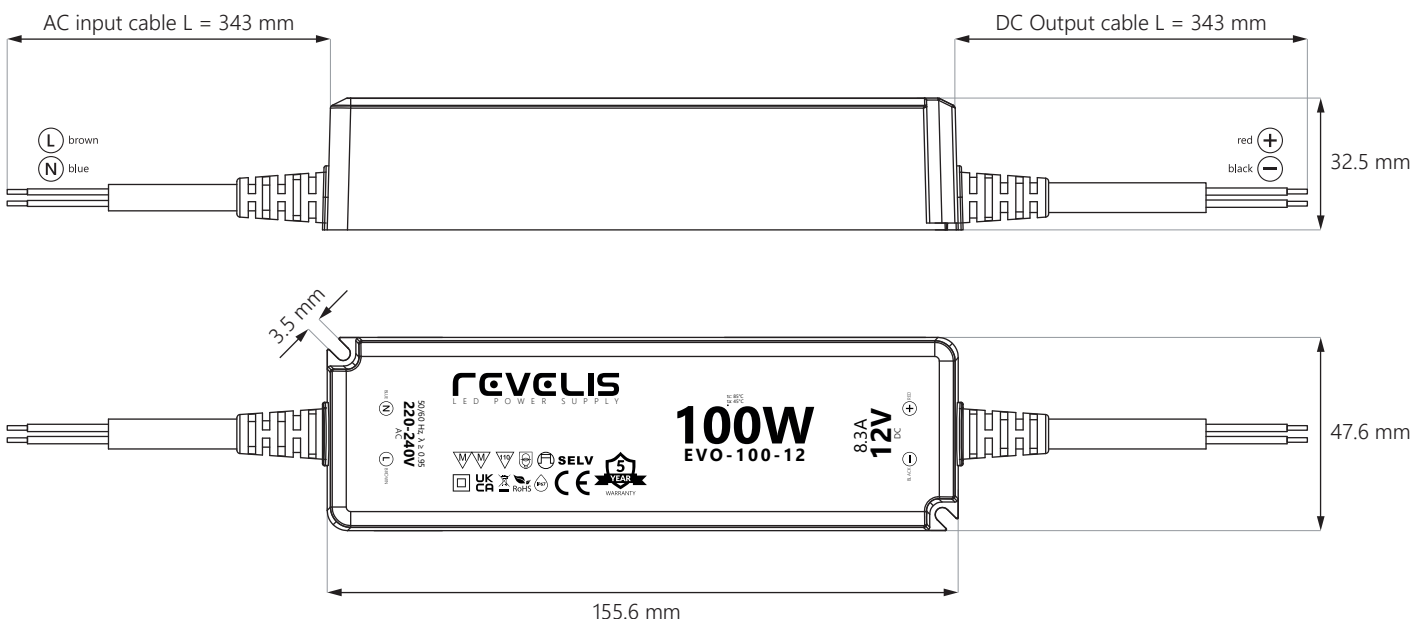
## 100W Active PFC Certified Power Supply



**EVO is a high-quality power supply series to offer exceptional performance** and reliability for modern LED lighting applications. Featuring a **built-in PFC filter and double isolation wiring**, the EVO series ensures enhanced efficiency and safety.

Available in sizes from 25 to 150 Watts, these power supplies provide excellent efficiency and fanless operation. IP67 rating and a slim plastic housing enables them suitable for indoor and outdoor projects. Equipped with safety features such as **short circuit and over load protection**, the EVO series meets international standards and comes with a 5-year warranty. Experience the reliability and efficiency of the Revelis EVO series.

## Dimensions



# EVO-100-12

## 100W Active PFC Certified Power Supply

### Technical specification

#### OUTPUT

Startup time	< 500 ms   230V AC
Output voltage	12V DC
Output voltage wave	±3%
Current range	0 – 8.3 A
Rated power	100 W
Line regulation	± 3%
Load regulation	± 3%
SVM	≤ 0.4
Pst LM	≤ 1
PWM dimming frequency	100 – 2000Hz

#### INPUT

Input voltage	220 – 240V AC
Input frequency	50/60Hz
Input current	≤ 0.485 A
Efficiency	≥ 90%
No load power consumption	≤ 0.5 W
Power factor	≥ 0.95   230V AC, Full load
THD	< 10%
Inrush current	< 63 A
Leaked current	< 0.7 mA

#### ENVIRONMENT

Ta	-20 ÷ +45°C
Tc max.	+85°C
Storage temperature	-40 ÷ +80°C
Working humidity	10%-85%, RH non-condensing
Lifetime	~50 000 h

#### PROTECTION

Short circuit	Hiccup mode, restart automatically after fault correction
Over load	Exceed maximum rated load times 1.2 – 1.5
Surge capacity	L-N: 1000V
Withstand voltage	Input-Output: 3750V / 5 mA / 1 miN

#### SAFETY STANDARDS

LVD 2014/35/EU	EN 61347-1:2015-09/A1:2021-06, EN 61347-2-13:2015-04/A1:2017-07, EN 62493:2015-11/A1:2023-03
EMC (2014/30/EU)	EN IEC 61000-3-2:2019-04/A1:2021-08, EN IEC 55015:2019-11/A11:2020-07
RoHS 3 (2015/863)	EN IEC 63000:2019-01

#### PACKING

Quantity per box	40 pcs
Gross weight (box)	12 kg   26.46 lbs
Box dimensions (L x W x H)	34 x 24 x 18.5 cm   13.39 x 9.45 x 7.28 in

# EVO-100-12

## 100W Active PFC Certified Power Supply

### OTHER

Housing material	Plastic
Housing colour	White
Insulation type	Class 2
IP grade	IP67
AC input cable	H05RN-F VDE 60245 IEC 57(YZW) 300/500V 2x1 mm <sup>2</sup> L=343 mm
DC output cable	SVT 2/C 18AWG 2x0.824 mm <sup>2</sup> VW-1 105°C 300V L = 343 mm
Dimensions (L x W x H)	155.6 x 47.6 x 32.5 mm   6.13 x 1.88 x 1.28 in
Weight	0.425 kg   0.937 lbs
Warranty	5 years

### FUSE COMPABILITY DATA

B16	11 pcs
C16	19 pcs

### NOTE

1. All parameters not specially mentioned are measured at nominal voltage input, rated load and 25°C ambient temperature.
2. Output voltage wave is measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
3. Tolerance: includes set up tolerance, line regulation and load regulation.
4. The power supply is considered as a component that will be operated in combination with final equipment.  
Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.
5. The power supply is not suitable to use under direct sunlight exposure.

## Safety instructions

- There are no user serviceable parts inside.
- Unauthorized access to power supply internal parts will void the warranty.
- To guarantee sufficient convection cooling, keep a distance of 50 mm above and lateral distance to nearby objects.
- Do not overload the power supply.
- Note that the power supply housing can become very hot.
- Connect the LED device to the power supply with the correct polarity.
- Derating guideline: please bear in mind, that all power supplies have a de-rating curve based on ambient temperature or low input voltage. We strongly suggest to keep at least 20% of margin when designing the load.



**READ  
BEFORE  
USE**