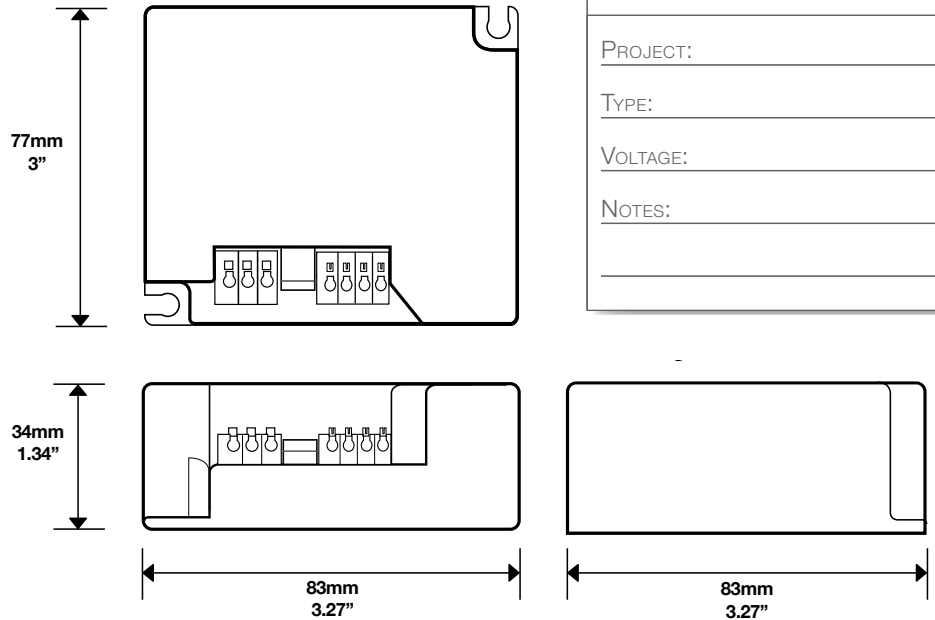
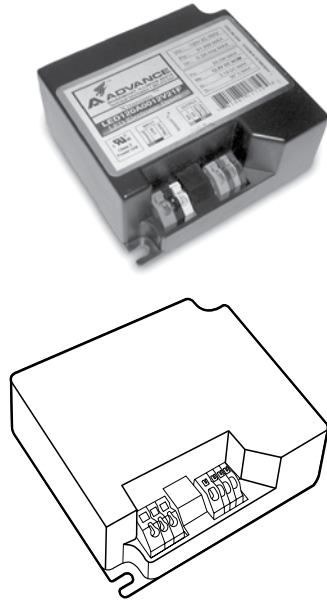


# TECHNICAL SPECIFICATIONS SUPERVISION

VER. 1.0

## EVPS25



PROJECT: \_\_\_\_\_

TYPE: \_\_\_\_\_

VOLTAGE: \_\_\_\_\_

NOTES: \_\_\_\_\_

### DESCRIPTION

#### LED Electronic Driver:

- Square housing, Compact size
- Reliability
- Meets UL, CSA, FCC application requirements
- DC constant voltage output
- Power efficiency

### SPECIFICATION FEATURES

#### Features:

- UL Class 2
- Damp location rated
- Small, compact size
- Inherent short circuit protection
- Extreme low temperature performance (-40C)
- Tightly regulated output (1% line, 5% load)
- High power factor

#### Benefits:

- Limited output voltage and current plus isolation for safe operation
- Suitable for use in self-contained signs and raceways
- Facilitates use in self-contained signs for the simplest and most economical final installation
- Added safety without any troublesome fuses
- Allows use in any outdoor application
- Consistent light output regardless of line and load levels
- Minimizes amperage draw to reduce the number of power feeds required
- Peace of mind for your sign from the industries most trusted component maker

#### Input:

- AC input - WAGO 2-pin wire trap, 18 AWG solid or tinned standard wire, Line (Black), Neutral (White)
- Volts (60 Hz) - 120+/- 10%
- Power max (W) - 21.5
- Current Max (A) - 0.20

#### Output:

- 12VDC output - WAGO 4-pin wire trap, 20AWG solid or tinned standard wire, Positive (Red), Negative (Blue)
- Power Min (W) - 2.3
- Power max (W) - 25.5
- Current Max (A) - 2.1

Max Allowable Case temp.: 85°C

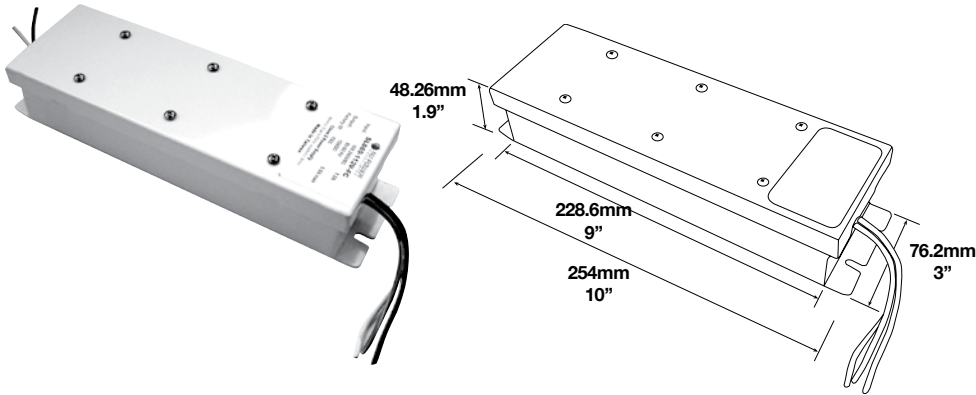
Weight: 0.32 lbs

### ORDERING INFORMATION

MODEL

EVPS25  
25W - 12VDC ETL Listed Power Supply - 1 year warranty

EVPS25-UL  
25W 12VDC UL Class B Power Supply - 5 year warranty



PROJECT:	_____
TYPE:	_____
VOLTAGE:	_____
NOTES:	_____
	_____

**DESCRIPTION**

**LED Electronic Driver**

The EVPS60 series power supplies are designed to provide complete outdoor/indoor installation ready DC power for all your LED lighting applications. One of the most important benefits of LED lighting technology is its energy efficiency. However, in order for an LED lighting system to provide the greatest efficiency and reliability, the power source, the lifeblood of the LED, must also be energy efficient. The EVPS60 power supply series is designed with the latest in switched-mode technology, which increase the LED lighting systems energy efficiency and reliability.

**SPECIFICATION FEATURES**

**Features**

**Electronical Features**

- Highly efficient switched-mode technology
- Universal AC input, 120/240VAC operation
- Automatic Constant-voltage/ Constant current operation (CV/CC)
- User adjustable voltage and current
- Very low LED peak/ noise current - 1 % Max

**Mechanical Features**

- NEMA 3 design for indoor or outdoor installations
- Terminal Screw or Conduit entry versions
- Light and compact package

**Reliability/ Warranty/ Compliance**

- MTBF 55,000 hours
- Wide operating temperature range - -20 to 70°C
- Meets all agency requirements - Class 2 UL/CUL, FCC

**Benefits**

- Highly energy efficient - complements LED efficiency
- 120/ 240 VAC operation reduces inventory and cost
- CV/CC operation reduces inventory and cost
- Allows easy adjustment of LED brightness
- Low LED noise current reduces LED stress
- Immediate savings on installation and hardware costs
- Does not require additional J-box/ enclosure
- Easy and quick installation and/ or removal

- Provide low cost and simple expansion to higher power levels for large LED lighting systems
- Light and compact package installs anywhere
- Long life complements LED life expectancy
- Dependable operation in extreme environments
- Important to overall LED lighting system agency compliance

**Input**

**Voltage Range:** 90-264 VAC  
**Frequency Range:** 47-63 Hz  
**Max Input Current:** 1.6A@115VAC input  
**Max Inrush Current:** 30A@230VAC input, 25°C, cold start up

**Output**

**Max Power:** 60W  
**Efficiency:** 83% Typical @ full load, 230 VAC input  
**Line Regulation:** +/- 1% Max  
**Load Regulation:** +/- 3% Max  
**Over-Voltage Protection:** 120% Max  
**Over Load Protection:** Constant Current Limiting

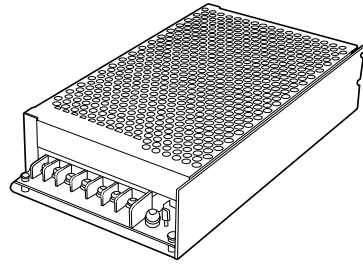
**Operating temp.:** -20°C to 60°C (Full Load), 70°C (50% Load)

**Weight:** FC - 1lb 6.7oz  
 FT - 1lb

**ORDERING INFORMATION**

**MODEL**

EVPS60: 60 Watt - 12VDC ETL Listed Power Supply - 1 year warranty  
 EVPS60-12-UL: 12VDC UL Listed Power Supply - 5 year warranty



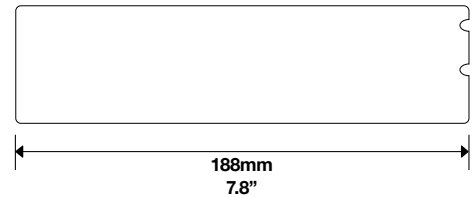
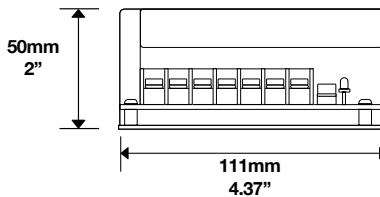
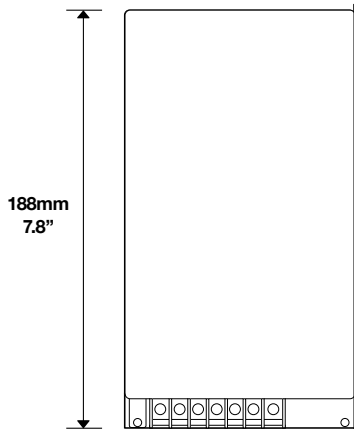
PROJECT: \_\_\_\_\_

TYPE: \_\_\_\_\_

VOLTAGE: \_\_\_\_\_

NOTES: \_\_\_\_\_

\_\_\_\_\_



DESCRIPTION

150W single output switching power supply

- Low cost, high reliability
- High Efficiency, low working temp
- Built -in EMI filter, low ripple noise
- Compact Size, light weight
- Power efficiency
- Shirt circuit/ overload/ over voltage protection
- Universal AC input / full range
- Approvals: ETL/TUV/CB/CE/ETL/UL
- 1 year warranty

SPECIFICATION FEATURES

- Input voltage 100~120VAC 3.2A/ 220~240 VAC 1.6A
- Input frequency 47~63 Hz
- Inrush Current cold start, 35A/ 115V & 230V
- Output voltage 12VDC or 24VDC
- Overload protection 105%~ 150% output shutdown
- Setup, rise, hold up time 100ms, 50ms, 20ms
- Withstand voltage I/P-O/P:3KV, I/P-F/G: 1.5KV, 1min
- Working Temperature -10°C~60°C
- Safety standard UL 1012, TUV EN60950, UL1950
- EMC standard EN55022 class B, EN61000-4-2,3,4,5  
EN60555-2,3
- Connection 7P/ 9.5mm pitch terminal block
- Weight/ packing 0.8kgs/pcd; 23pcs/ 17kgs/ 1CUFT
- Dimension 188x110x50mm / 7.9x4.4x2"

The EVPS150's Performance with the FlexLED mono-chromatic 12"

- Number of output terminal on Power Supply: 2
- Total number of Feet per run:
  - 16' (1.5 w/Ft Red, Clear Red, Amber, Orange)
  - 16' (2.8 w/Ft. Blue, Green)
  - 11' (3.2 w/Ft. White)
- Max Number of feet: 100' (1.5 w/Ft Red, clear Red, Amber, Orange)
  - 54' (2.8W/Ft Green, Blue)
  - 47' (3.2 w/Ft White)
- Max. number of sections:
  - 6.25 (Red, clear Red, Amber, Orange) 16'
  - 4 (Green, Blue) 16'
  - 4 (White) 11' Per Wire
- Number of wire hookups:
  - 7 (Red, Clear Red, Amber, Orange) - 16' per wire
  - 4 (Green, Blue) 16' Per Wire
  - 4 11' section per wire
- Max. Distance of power cable connected from the power supply to a new run of FLEXLEDs: 30' 9.14m

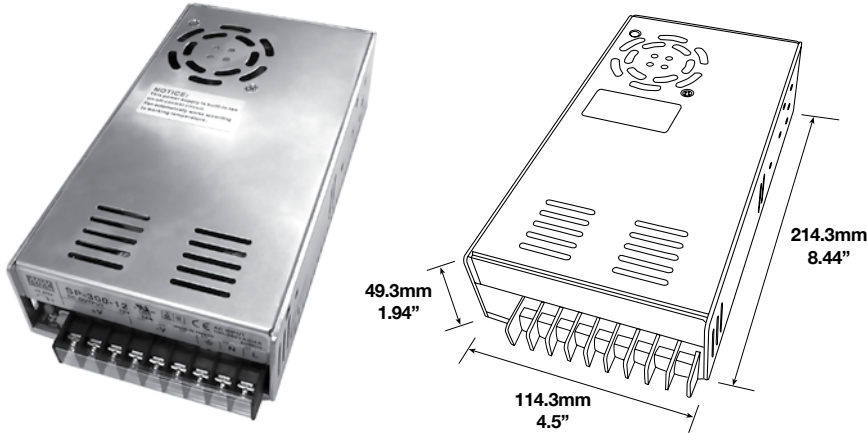
ORDERING INFORMATION



MODEL

- EVPS150: 150W 12VDC LED Power Supply - 1 year warranty
- EVPS150-24: 150W 24VDC LED Power Supply - 1 year warranty

NOTE\* power supply will need to be revised in a nema enclosure for outdoor applications



PROJECT:	_____
TYPE:	_____
VOLTAGE:	_____
NOTES:	_____
	_____

**DESCRIPTION**

LED Electronic Driver  
 • Low Cost, High Reliability

**SPECIFICATION FEATURES**

**Features**

- UL Class 2
- Damp location rated
- Small, compact size
- Inherent short circuit protection
- Extreme low temperature performance (-40C)
- Tightly regulated output (1% line, 5% load)
- High power factor

**Input:**

AC input - 9 inch 18AWG leads, Line (Black), Neutral (White)  
 Input Voltage - 88~264VAC 47~63Hz; 124~370 VDC  
 AC current - 4A/115V 2A/230V  
 Current Max (A) - 0.70

**Output:**

DC output - 12VDC, 24VDC  
 Output Current - 0~24A  
 Power max (W) - 288  
 Current Max (A) - 4.0

**Benefits**

- Limited output voltage and current plus isolation for safe operation
- Suitable for use in self-contained signs and raceways
- Facilitates use in self-contained signs for the simplest and most economical final installation
- Added safety without any troublesome fuses
- Allows use in any outdoor application
- Consistent light output regardless of line and load levels
- Minimizes amperage draw to reduce the number of power feeds required
- Peace of mind for your sign from the industries most trusted component maker

**Max Allowable Case temp.:** 90°C

**Weight:** 1.5 lbs

**ORDERING INFORMATION**

<b>MODEL</b>	
EVPS320	320W, 12VDC Power Supply - ETL Listed - 1 year warranty
EVPS320-24	320W, 24VDC Power Supply - ETL Listed - 1 year warranty