

LED drivers – Constant Voltage

Linear LED Drivers - Indoor Application

EV-12-200



Product Description

- Constant Voltage LED Driver with 12V single output & 200W Power Rating.
- High thermal efficiency because of its perforated metal casing.
- Worldwide compatibility as it has wide window of input voltage ranging from 100-240VAC.

Features

- High Efficiency
- Long service life
- Extremely reliable
- Input Voltage: 100-240VAC, 50/60Hz
- Output Voltage: 12VDC
- Max. Output Power: 200W
- Protection against Short-circuit/Over-load/Over-current/Over-temperature.
- Flicker free operation
- 100% full load aging test
- Cooling by air convection
- Suitable for dry location

Website:

www.enov.online



Linear LED Drivers - Indoor Application

EV-12-200

Technical Data

Input

| | |
|-----------------------|-------------|
| Voltage Range: | 100-240 VAC |
| Frequency Range: | 50-60 Hz |
| Power Factor: | PF>0.5 |
| Efficiency (Typ.): | 88.5% |
| AC Current: | 1.56A |
| Inrush Current (Max): | 60A |

Output

| | |
|----------------|--------|
| DC Voltage: | 12 VDC |
| Rated Current: | 16.7A |
| Rated Power: | 200W |

| | |
|------------------------|-----|
| Electricity Tolerance: | ±5% |
| Line Regulation: | ±3% |

Protection

| | |
|-------------------|-------------------------------------|
| Overload: | ≤120% |
| Over current: | ≤1.2*I out |
| Over temperature: | 100°C |
| Short Circuit: | Hiccup mode, recovers automatically |

Environment:

| | |
|------------------------|----------------------------|
| Working Temp: | -25°C to 50°C @ Full load |
| Working Humidity: | 20-60% RH, non-condensing |
| Storage Temp Humidity: | -40°C to 80°C, 10-95% RH |
| Vibration: | 10-500Hz 2G 12min./1 cycle |

Safety & EMC

| | |
|--------------------|---|
| Safety Standards: | CE Mark |
| Withstand Voltage: | I/P- O/P: 1.5 KVAC |
| EMC Immunity: | EN55015:2013;EN61547:2009; EN61000-3-2:2014; EN61000-3-3:2013 |

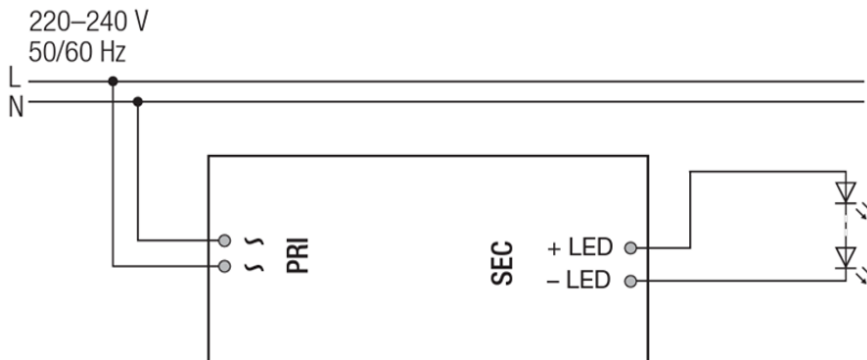
Others

| | |
|--------------------|------------------|
| MTBF: | 30000hrs Minimum |
| Product Dimension: | 208x63x29mm |
| Packing: | 50pcs, 13KG |

Linear LED Drivers - Indoor Application

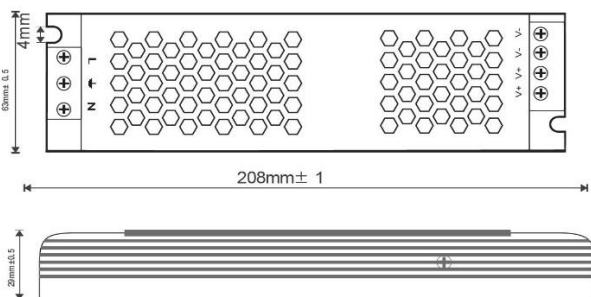
EV-12-200

Installation / wiring



- All connections must be kept as short as possible to ensure good EMI behavior.
- Mains leads should be kept apart from LED driver and other leads (ideally 5 – 10 cm distance)
- Max. length of output wires is 2 m.
- To comply with the EMC regulations run the secondary wires (LED module) in parallel.
- Secondary switching is not permitted.
- Incorrect wiring can damage LED modules.
- To avoid the damage of the Driver, the wiring must be protected against short circuits to earth (sharp edged metal parts, metal cable clips, louver, etc.)

Product Dimension:



Approvals



Standards

- EN 55015
- EN 61547
- EN 61000-3-2
- EN 61000-3-3

Safety & Warnings

- DO NOT install with power applied to device.
- DO NOT expose the device to moisture

LED drivers – Constant Voltage

Linear LED Drivers - Indoor Application

EV-12-150



Product Description

- Constant Voltage LED Driver with 12V single output & 150W Power Rating.
- High thermal efficiency because of its perforated metal casing.
- Worldwide compatibility as it has wide window of input voltage ranging from 100-240VAC.

Features

- High Efficiency
- Long service life
- Extremely reliable
- Input Voltage: 100-240VAC, 50/60Hz
- Output Voltage: 12VDC
- Max. Output Power: 150W
- Protection against Short-circuit/Over-load/Over-current/Over-temperature.
- Flicker free operation
- 100% full load aging test
- Cooling by air convection
- Suitable for dry location

Website:

www.enov.online



Linear LED Drivers - Indoor Application

EV-12-150

Technical Data

Input

| | |
|-----------------------|-------------|
| Voltage Range: | 100-240 VAC |
| Frequency Range: | 50-60 Hz |
| Power Factor: | PF>0.5 |
| Efficiency (Type): | 85% |
| AC Current: | 1.2A |
| Inrush Current (Max): | 60A |

Output

| | |
|------------------------|--------|
| DC Voltage: | 12 VDC |
| Rated Current: | 12.5A |
| Rated Power: | 150W |
| Electricity Tolerance: | ±5% |
| Line Regulation: | ±3% |

Protection

| | |
|-------------------|-------------------------------------|
| Overload: | ≤120% |
| Over current: | ≤1.2*I out |
| Over temperature: | 100°C |
| Short Circuit: | Hiccup mode, recovers automatically |

Environment:

| | |
|------------------------|----------------------------|
| Working Temp: | -25°C to 50°C @ Full load |
| Working Humidity: | 20-60% RH, non-condensing |
| Storage Temp Humidity: | -40°C to 80°C, 10-95% RH |
| Vibration: | 10-500Hz 2G 12min./1 cycle |

Safety & EMC

| | |
|--------------------|---|
| Safety Standards: | CE Mark |
| Withstand Voltage: | I/P- O/P: 1.5 KVAC |
| EMC Immunity: | EN55015:2013;EN61547:2009; EN61000-3-2:2014; EN61000-3-3:2013 |

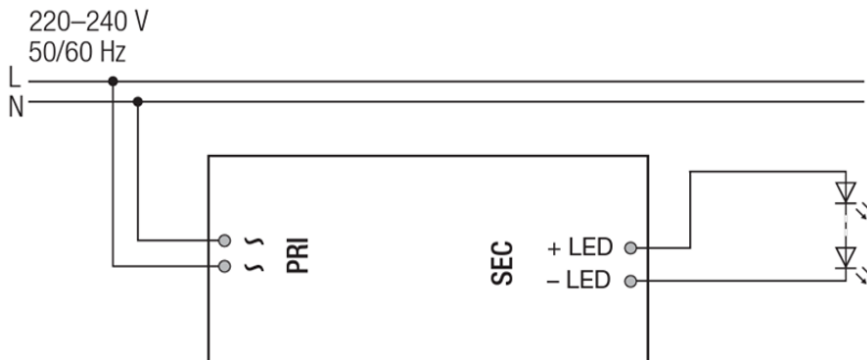
Others

| | |
|--------------------|------------------|
| MTBF: | 30000hrs Minimum |
| Product Dimension: | 185x48x24mm |
| Packing: | 50pcs, 13KG |

Linear LED Drivers - Indoor Application

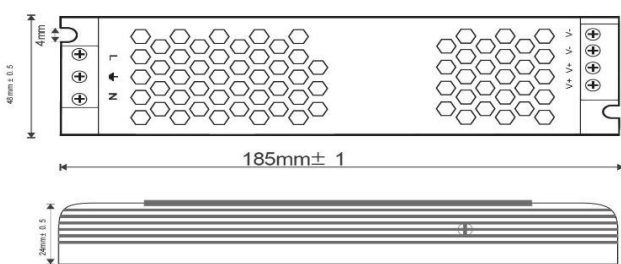
EV-12-150

Installation / wiring



- All connections must be kept as short as possible to ensure good EMI behavior.
- Mains leads should be kept apart from LED driver and other leads (ideally 5 – 10 cm distance)
- Max. length of output wires is 2 m.
- To comply with the EMC regulations run the secondary wires (LED module) in parallel.
- Secondary switching is not permitted.
- Incorrect wiring can damage LED modules.
- To avoid the damage of the Driver, the wiring must be protected against short circuits to earth (sharp edged metal parts, metal cable clips, louver, etc.)

Product Dimension:



Standards

- EN 55015
- EN 61547
- EN 61000-3-2
- EN 61000-3-3

Approvals



Safety & Warnings

- DO NOT install with power applied to device.
- DO NOT expose the device to moisture