

Azoogi Non-Dimmable Drivers

Our range of non-dimmable LED drivers is designed to deliver reliable and consistent performance, available in 12V and 24V configurations to suit a variety of lighting applications. With power options of 20W, 40W, 60W, 100W, 150W, 200W, and 300W, these constant voltage drivers provide exceptional efficiency and durability.

FEATURES AND BENEFITS:

- ✓ **Voltage Options:** 12V and 24V to cater to diverse requirements.
- ✓ **Power Range:** Wide range of wattages (20W–300W) to match different lighting setups.
- ✓ **IP67 Rating:** Suitable for dry, damp, and wet environments.
- ✓ **Compact and Reliable:** Class I power unit for enhanced safety and performance.
- ✓ **Protection Mechanisms:** Equipped with short circuit, overtemperature, overload, and overvoltage protection.
- ✓ **Long Warranty:** Backed by a 5-year warranty for peace of mind.

APPLICATION:

- ❖ Indoor Lighting
- ❖ Outdoor Lighting
- ❖ Architectural Lighting
- ❖ Retail and Display Lighting
- ❖ Industrial and Commercial Spaces
- ❖ Wet or Damp Locations



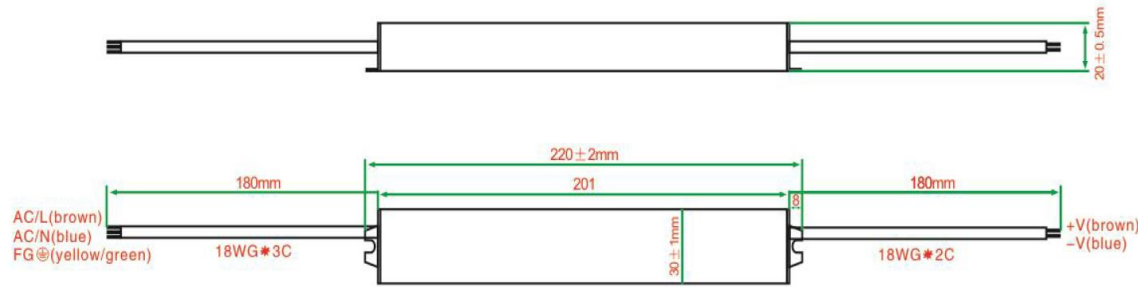
DATASHEET (12V):

Azoogi Product Code	ADR001	ADR003	ADR005	ADR007	ADR009	ADR011	ADR015
Rated Voltage DC (V)	12VDC	12VDC	12VDC	12VDC	12VDC	12VDC	12VDC
Rated Power (W)	20W	40W	60W	100W	150W	200W	300W
Output Current Range	0 ~ 1.67A	0 ~ 3.33A	0 ~ 5A	0 ~ 8.33A	0 ~ 12.5A	0 ~ 16.7A	25A
Ripple and Noise (Max)	120mVp-p	120mVp-p	120mVp-p	120mVp-p	120mVp-p	120mVp-p	120mVp-p
Voltage Tolerance	±3.0%	±3.0%	±3.0%	±3.0%	±3.0%	±3.0%	±3.0%
Load Regulation	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
Frequency Range	47 ~ 63Hz	47 ~ 63Hz	47 ~ 63Hz	47 ~ 63Hz	47 ~ 63Hz	47 ~ 63Hz	47 ~ 63Hz
Efficiency	85%	85%	85%	86%	90%	90%	83%
AC Current	0.37A ~ 0.13A	0.37A ~ 0.13A	0.75A ~ 0.25A	1.23A ~ 0.45A	1.85A ~ 0.6A	2.47A ~ 0.8A	0.89A
Over Voltage	110% ~ 130%	110% ~ 130%	110% ~ 130%	110% ~ 130%	110% ~ 130%	110% ~ 130%	110% ~ 130%
Overload	130% ~ 150%	130% ~ 150%	130% ~ 150%	130% ~ 150%	130% ~ 150%	130% ~ 150%	130% ~ 150%
IP Rating	IP67	IP67	IP67	IP67	IP67	IP67	IP67
Dimensions	220mm x 30mm x 20mm	220mm x 30mm x 20mm	174mm x 64mm x 45mm	236mm x 64mm x 45mm	236mm x 64mm x 45mm	236mm x 64mm x 45mm	246mm x 89mm x 43mm
Weight	0.25kg	0.25kg	0.65kg	1.1kg	1.1kg	1.2kg	1.02kg
MTBF	250K hrs mins	250K hrs mins	250K hrs mins	250K hrs mins	250K hrs mins	250K hrs mins	250K hrs mins
Life Span	>50,000 Hrs	>50,000 Hrs	>50,000 Hrs	>50,000 Hrs	>50,000 Hrs	>50,000 Hrs	>50,000 Hrs
Operating Temperature	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C
Warranty	5 years	5 years	5 years	5 years	5 years	5 years	5 years

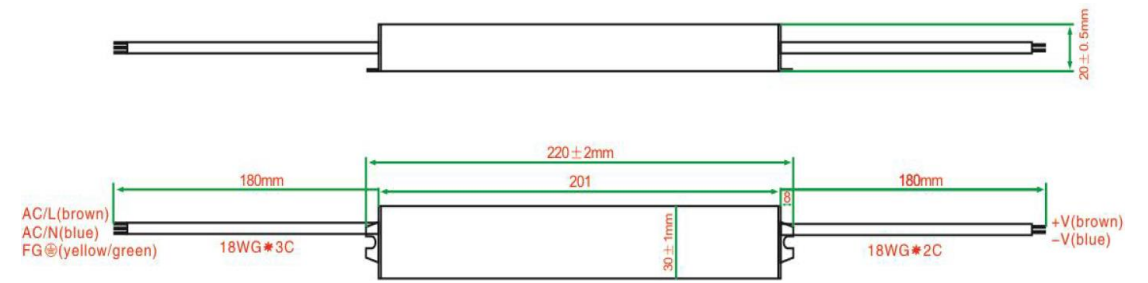
DATASHEET (24V):

Azoozi Product Code	ADR002	ADR004	ADR006	ADR008	ADR010	ADR012	ADR016
Rated Voltage DC (V)	24VDC	24VDC	24VDC	24VDC	24VDC	24VDC	24VDC
Rated Power (W)	20W	40W	60W	100W	150W	200W	300W
Output Current Range	0 ~ 0.83A	0 ~ 1.67A	0 ~ 2.5A	0 ~ 4.16A	0 ~ 6.25A	0 ~ 8.33A	125A
Ripple and Noise (Max)	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	120mVp-p
Voltage Tolerance	±3.0%	±3.0%	±3.0%	±3.0%	±3.0%	±3.0%	±3.0%
Load Regulation	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
Frequency Range	47 ~ 63Hz	47 ~ 63Hz	47 ~ 63Hz	47 ~ 63Hz	47 ~ 63Hz	47 ~ 63Hz	47 ~ 63Hz
Efficiency	87%	87%	87.5%	89%	92%	92.5%	85%
AC Current	0.37A ~ 0.13A	0.37A ~ 0.13A	0.75A ~ 0.25A	1.23A ~ 0.45A	1.85A ~ 0.6A	2.47A ~ 0.8A	0.89A
Over Voltage	110% ~ 130%	110% ~ 130%	110% ~ 130%	110% ~ 130%	110% ~ 130%	110% ~ 130%	110% ~ 130%
Overload	130% ~ 150%	130% ~ 150%	130% ~ 150%	130% ~ 150%	130% ~ 150%	130% ~ 150%	130% ~ 150%
IP Rating	IP67	IP67	IP67	IP67	IP67	IP67	IP67
Dimensions	220mm x 30mm x 20mm	220mm x 30mm x 20mm	174mm x 64mm x 45mm	236mm x 64mm x 45mm	236mm x 64mm x 45mm	236mm x 64mm x 45mm	246mm x 89mm x 43mm
Weight	0.25kg	0.25kg	0.65kg	1.1kg	1.1kg	1.2kg	1.02kg
MTBF	250K hrs mins	250K hrs mins	250K hrs mins	250K hrs mins	250K hrs mins	250K hrs mins	250K hrs mins
Life Span	>50,000 Hrs	>50,000 Hrs	>50,000 Hrs	>50,000 Hrs	>50,000 Hrs	>50,000 Hrs	>50,000 Hrs
Operating Temperature	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C
Warranty	5 years	5 years	5 years	5 years	5 years	5 years	5 years

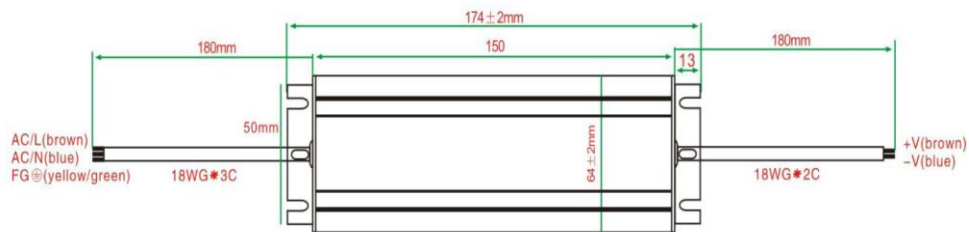
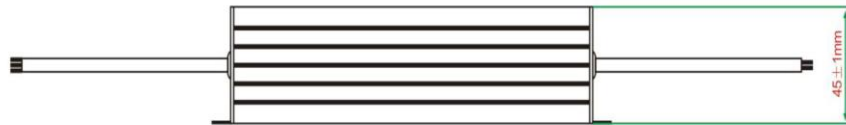
Mechanical Specifications:



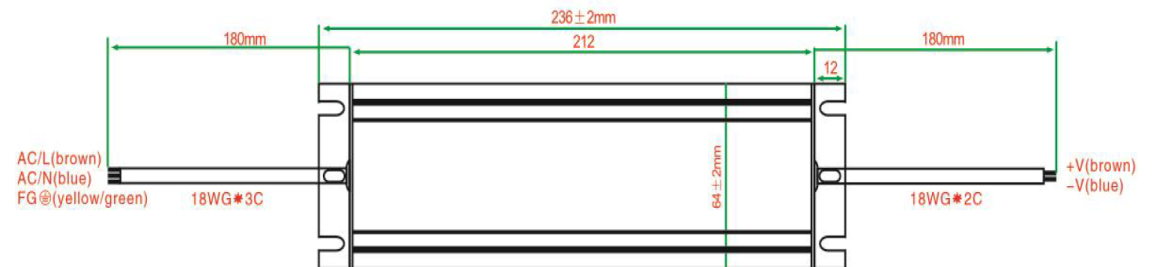
ADR001/ADR002



ADR003/ADR004

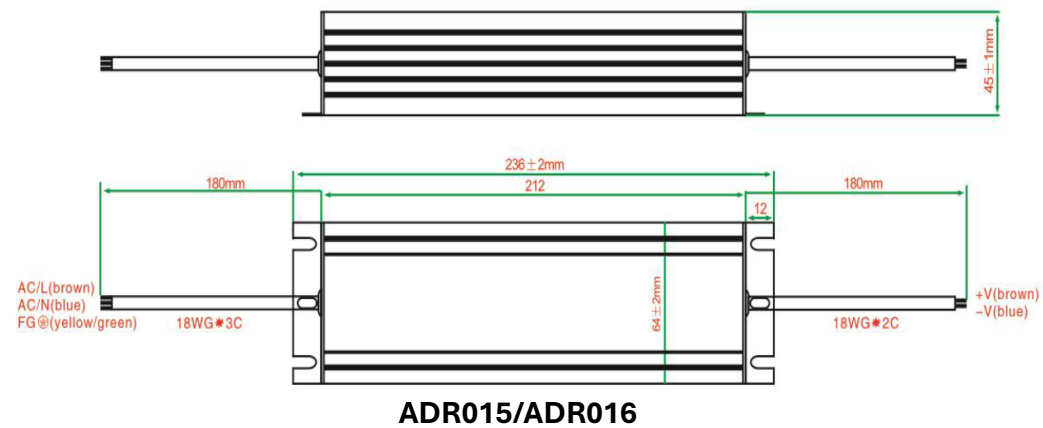
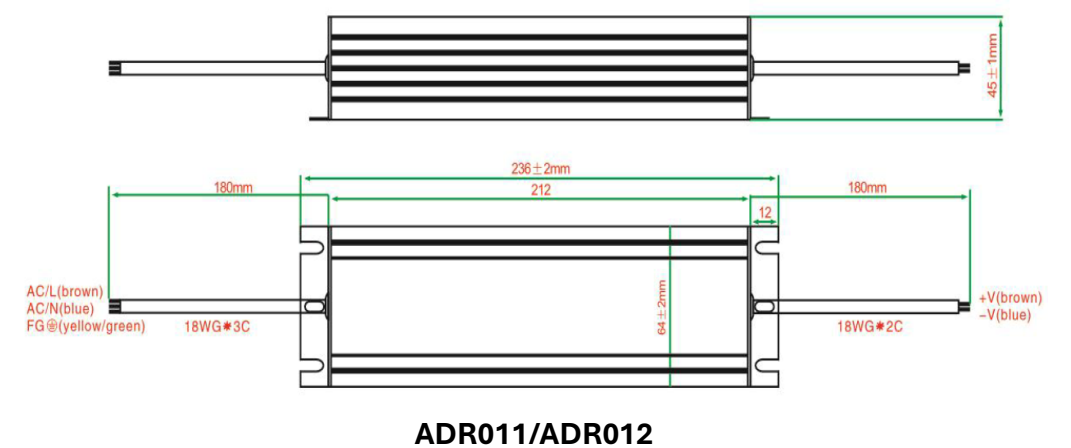
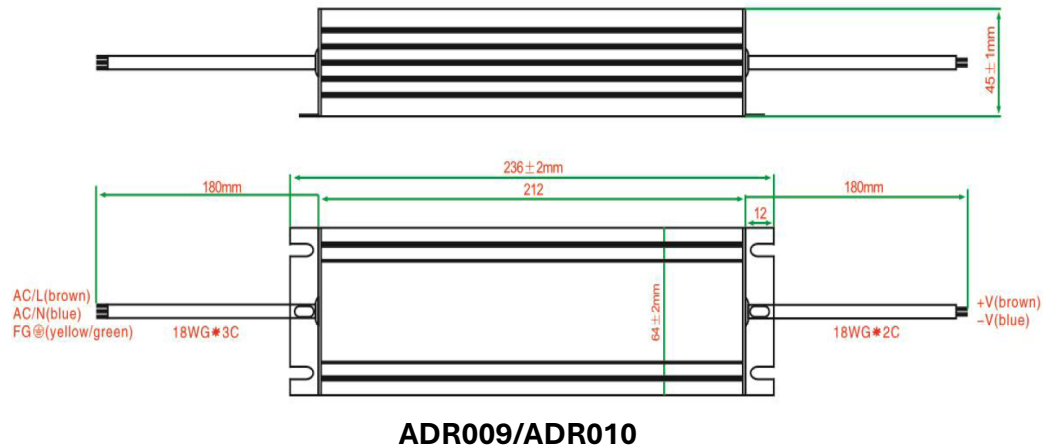


ADR005/ADR006



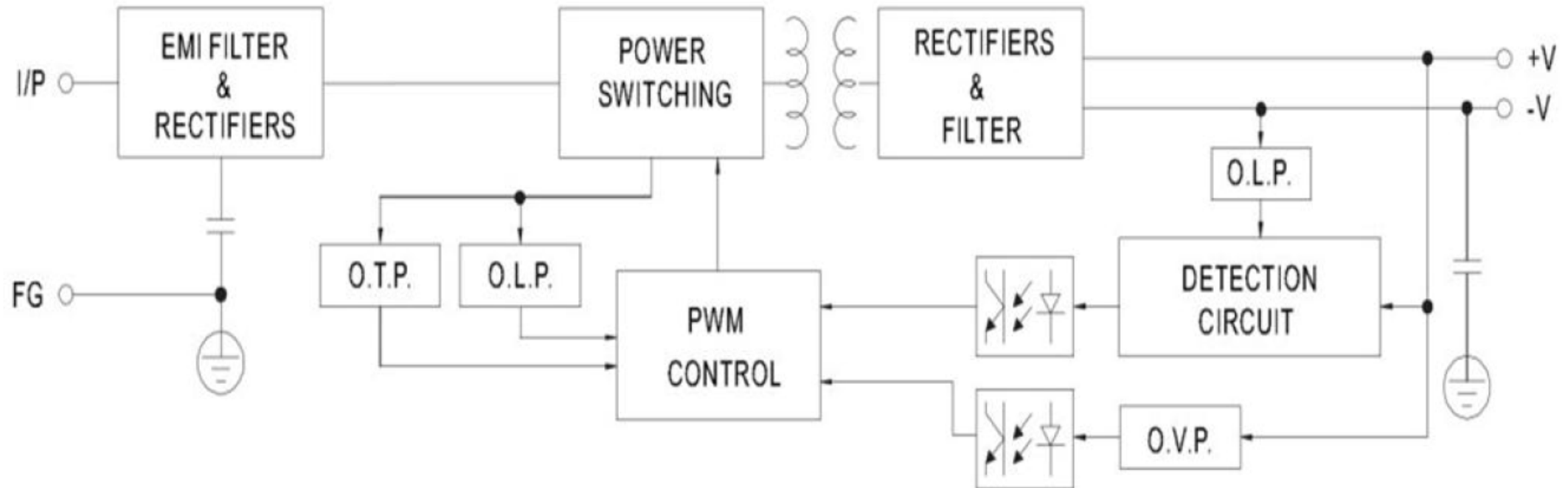
ADR007/ADR008

Mechanical Specifications:

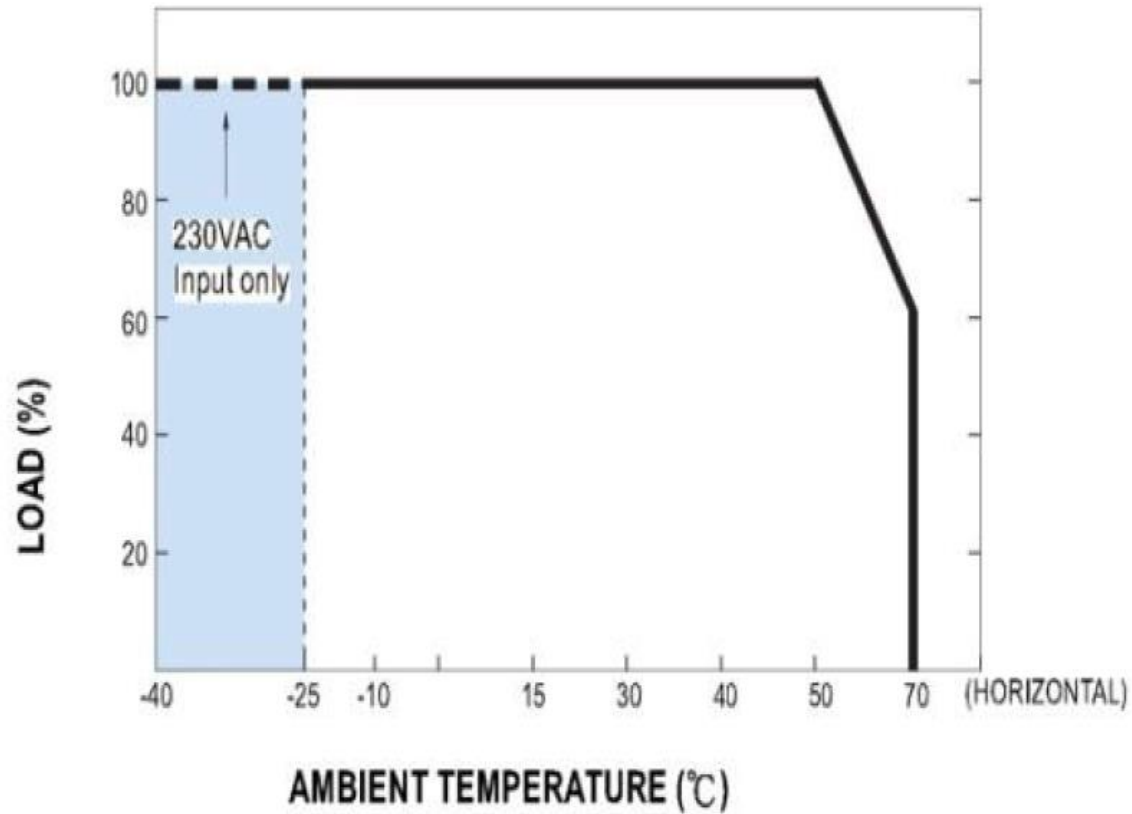


Block Diagram:

Fosc : 100KHz



Derating Curve:



Static Characteristics:

