

Project:	
Type:	

# KV SERIES

Non Dimmable LED Driver

## Product Features

- Constant Voltage Driver
- Universal Input: 100-277VAC
- Power Factor: up to 0.99
- Efficiency: up to 92%
- Protection: short circuit/over load/over heat
- Dry/damp/wet locations



Class P

## Product Code

MODEL
KV-24300-ASW

CERTIFICATES
FCC UL cUL

KV	-	XX	XXX	-	AS	X
Series		Voltage	Power		Dimming	Enclosure
		24 -24VDC	300 -300W		Non Dimmable	W -wide case

## Specifications

OUTPUT	
DC Voltage:	24V
Rated Current:	12.5A
Rated Power:	300W
Voltage Tolerance:	±0.5V
Voltage Regulation:	±0.5%
Load Regulation:	±1%

INPUT	
Voltage Range:	100-277VAC
Frequency:	47-63Hz
Power Factor (Typ.) @full load:	0.99 @120VAC    0.98 @230VAC    0.98 @277VAC
THD (Typ.) @full load:	<10% @120VAC    <20% @230VAC    <20% @277VAC
Efficiency (Typ.) @full load:	88% @120VAC    92% @230VAC    92% @277VAC
AC Current (Max.):	3.4A @110VAC
Inrush Current (Typ.):	20A, 50% 1.9ms @120VAC    60A ,50% 130us @230VAC    35A, 50% 1.9ms @277VAC
Leakage Current:	<0.50mA

### PROTECTION

<b>Short Circuit:</b>	Shut down o/p voltage, re-power on to reset after fault condition is removed
<b>Over Loading:</b>	≤120% hiccup mode, recover automatically after fault condition is removed
<b>Over Temperature:</b>	100°C±10°C shut down o/p voltage, automatically recover after cooling

### ENVIRONMENT

<b>Working Temp.:</b>	-40~+60°C (-40° to 140°F)
<b>Working Humidity:</b>	20~90% RH, non-condensing
<b>Storage Temp., Humidity:</b>	-40~+80°C (-40° to 176°F), 10-95% RH
<b>Temp. Coefficient:</b>	±0.03%/°C (0-50°C)
<b>Vibration:</b>	10~500Hz, 5G 10min./1 cycle, period for 60min., each along X, Y, Z axis

### SAFTY & EMC

<b>Safety Standards:</b>	UL8750+UL1310
<b>Withstand Voltage:</b>	I/P-O/P: 1.88KVAC
<b>Isolation Resistance:</b>	I/P-O/P: 100MΩ/500VDC/25°C/70%RH
<b>EMC Emission:</b>	FCC Part 15 B

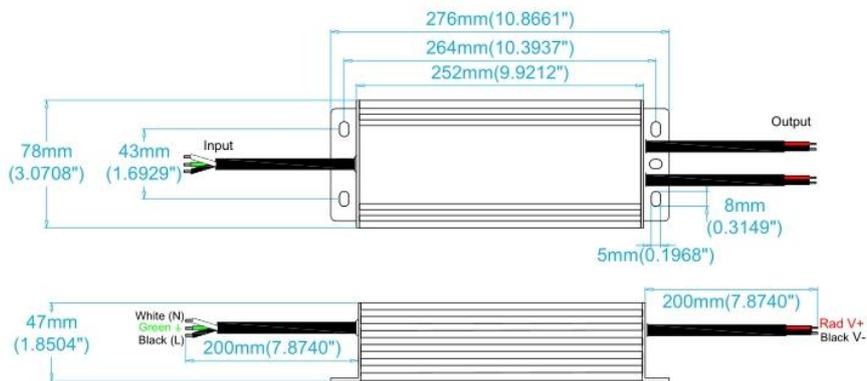
### OTHERS

<b>Net. Weight:</b>	1.7 kg
<b>Size:</b>	10.86*3.07*1.85 inch /276*78*47mm (L*W*H)

**Notes:**

1. All parameters if NOT specially mentioned are measured at 120VAC input, under rated load and 25°C (77°F) of ambient temperature.

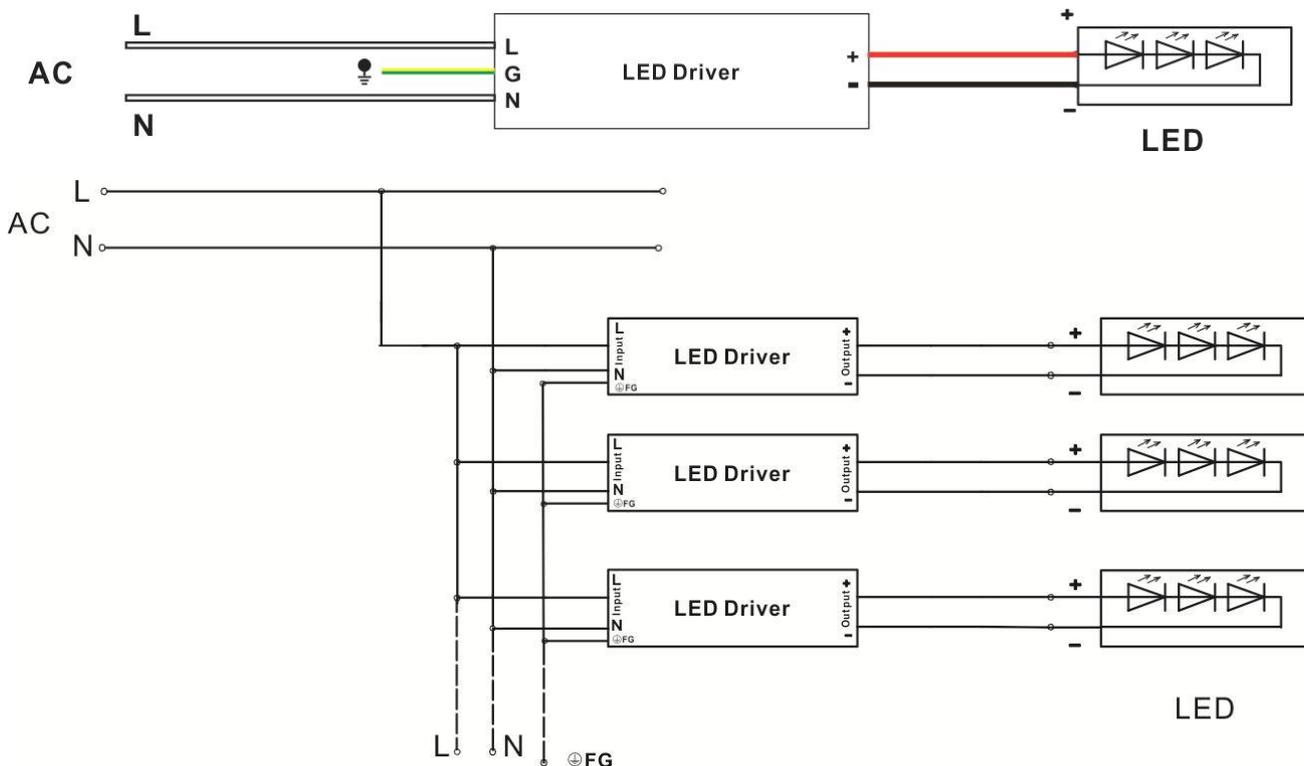
### Dimensions



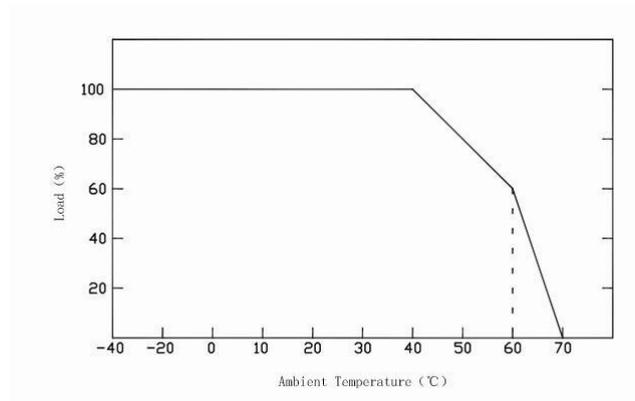
1. The input terminal has a 3-pin wire, of which the green wire is to be connected to the ground, black and white connected to AC L and N.
2. The output terminal has a 2-pin wire, red wire is V+, black wire is V-.

### Wiring Diagram

#### Non-dimmable:



## Derating Curve



\*To ensure the driver's long life, please refer to the Derating Curve and derate according to the ambient temperature.