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 89%
- Protection: short circuit/over load/over heat
- Dry/damp/wet locations

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FC

Class P

Product Code

MODEL
KV-24200-ASW

CERTIFICATES
FCC UL cUL

KV	-	XX	XXX	-	AS	X
Series		Voltage	Power		Dimming	Enclosure
		24 -24VDC	**200** -200W		Non Dimmable	**W** -wide case

Specifications

OUTPUT	
DC Voltage:	24V
Rated Current:	8.33A
Rated Power:	200W
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 0.97 @230VAC 0.96 @277VAC
THD (Typ.) @full load:	<20%
Efficiency (Typ.) @full load:	85% @120VAC 89% @230VAC 88% @277VAC
AC Current (Max.):	2.3A @110VAC
Inrush Current (Typ.):	15A, 50% 1.4ms @120VAC 55A, 50% 220us @230VAC 30A, 50% 1.4ms @277VAC
Leakage Current:	<0.50mA

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

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

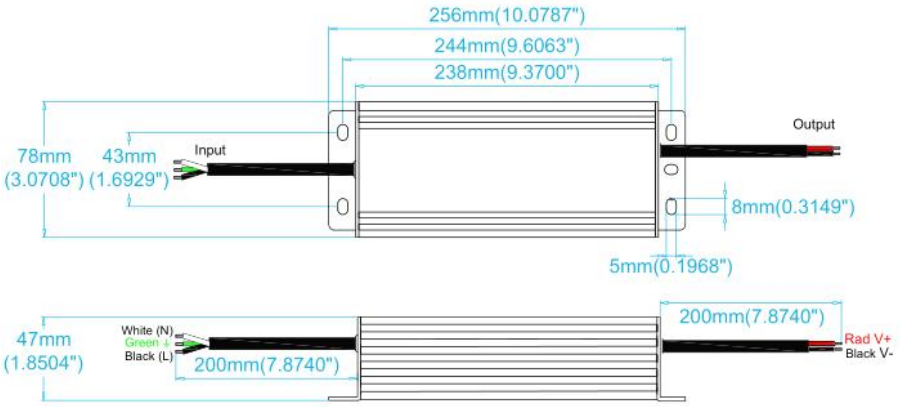
SAFTY & EMC	
Safety Standards:	UL8750+UL1310
Withstand Voltage:	I/P-O/P: 1.88KVAC
Isolation Resistance:	I/P-O/P: 100MΩ/500VDC/25℃/70%RH
EMC Emission:	FCC Part 15 B

OTHERS	
Net. Weight:	1.5Kg
Size:	10.07*3.07*1.85 inch / 256*78*47mm (L*W*H)

Notes:

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

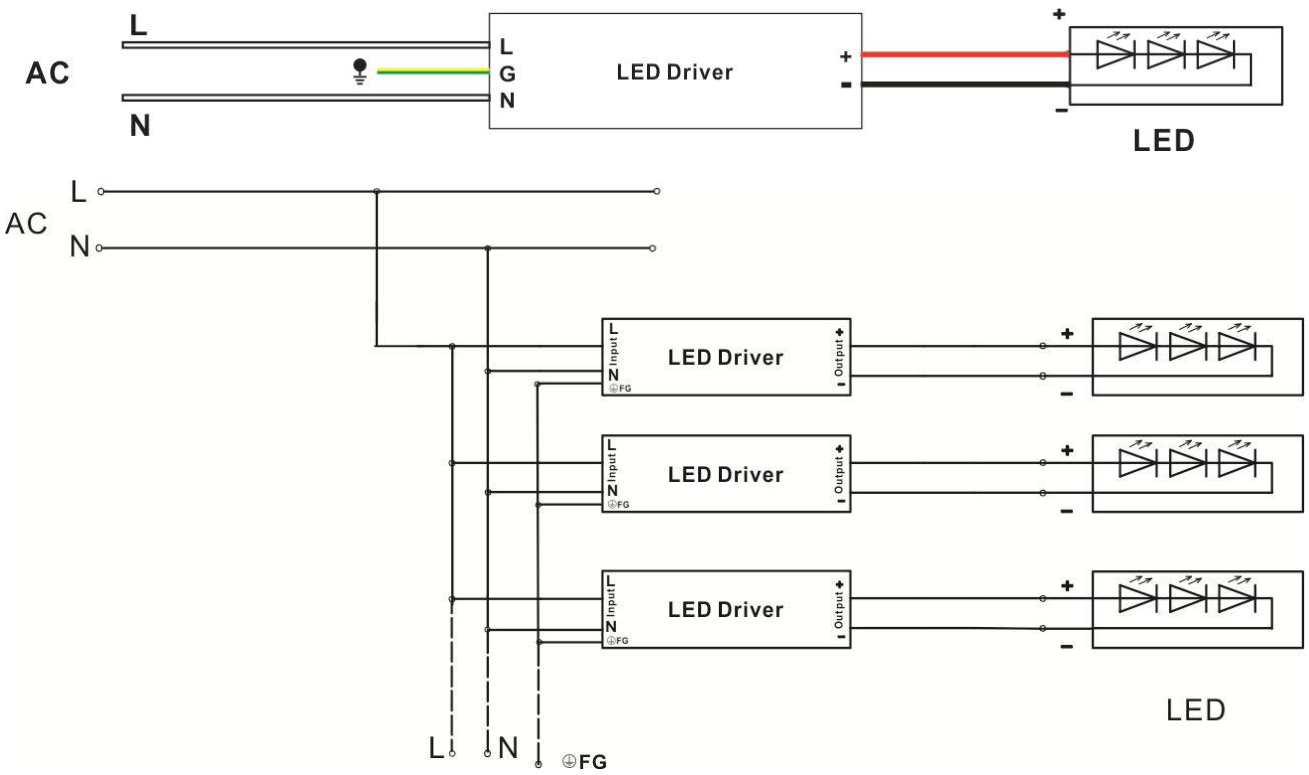
Dimensions



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:



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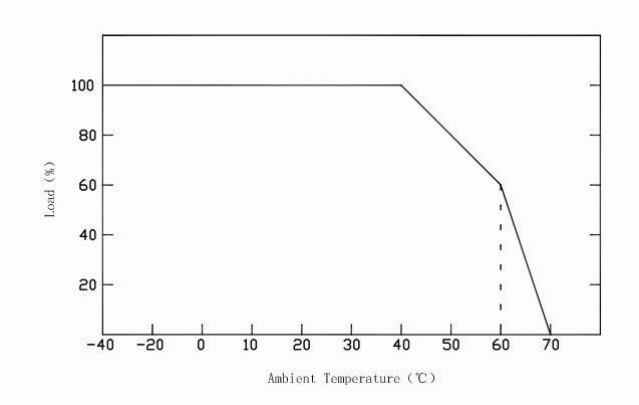
Specification subject to change without notice. Rev-2024-4-23

Derating Curve



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