

0/1-10V LED dimmable driver---Constant voltage 200W



Feature:

- Output constant voltage
- Universal AC input:200-240VAC
- Built-in active PFC function
- High efficiency up to 90%
- Protections: Short circuit/Over current/Over loading
- Cooling by free air convection
- IP66 design for indoor or outdoor installation
- Class 1 power unit
- Three in one dimming function(0/1-10Vdc or PWM signal or resistance)
- Dimming range: 0-100%
- Suitable for LED lighting and moving sign applications
- Compliance to worldwide safety regulations for lighting
- FIVE years warranty



IP66
SELV

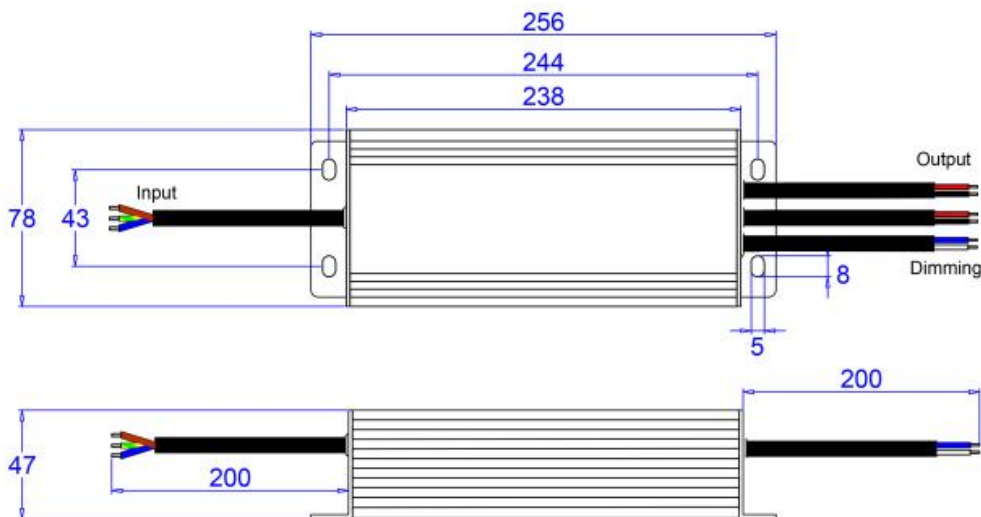
■ Specification

Model		KV-12200-A-DIM	KV-24200-A-DIM	KV-36200-A-DIM	KV-48200-A-DIM
Output	DC Voltage	12V	24V	36V	48V
	Voltage Tolerance	±0.5V			
	Rated current	16.67A	8.34A	5.56A	4.17A
	Rated power	200W			
Input	Voltage Range	200~240VAC			
	Frequency Range	47~63HZ			
	Power Factor	PF≥0.98/230VAC			
	Efficiency (Typ.)	88%	89%	90%	90%
	AC Current (Max.)	1.4A	1.4A	1.4A	1.4A
	Leakage current	<0.5mA			
Protection	Short Circuit	constant current mode, recovers automatically after fault condition is removed			
	Over Loading	≤120%			
	Over Current	≤1.2*Iout			
	Over temperature	100℃±10℃, Shut down o/p voltage, recovers automatically after temp. goes down.			
Environment	Working TEMP.	-40~+60℃			
	Working Humidity	20~95%RH non-condensing			
	Storage TEMP., Humidity	-40~+80℃, 10~95%RH			
	TEMP. coefficient	±0.03%/℃ (0~50℃)			
	Vibration	10~500Hz, 5G 12min./1 cycle, period for 72min.each along X,Y,Z axes			
Safety&EMC	Safety standards	EN61347-1 EN61347-2-13			
	Withstand voltage	I/P-O/P:3.75KVAC I/P-FG:1.88KVAC O/P-FG:0.5KVAC			
	Isolation resistance	I/P-O/P I/P-FG O/P-FG: 100M Ohms/500VDC/25℃/70%RH			
	EMC EMISSION	EN55015,EN61000-3-2 (≥60%load)			
	EMC IMMUNITY	EN61000-4-2,3,4,5,6,11,EN61547, light industry Level Criteria A			

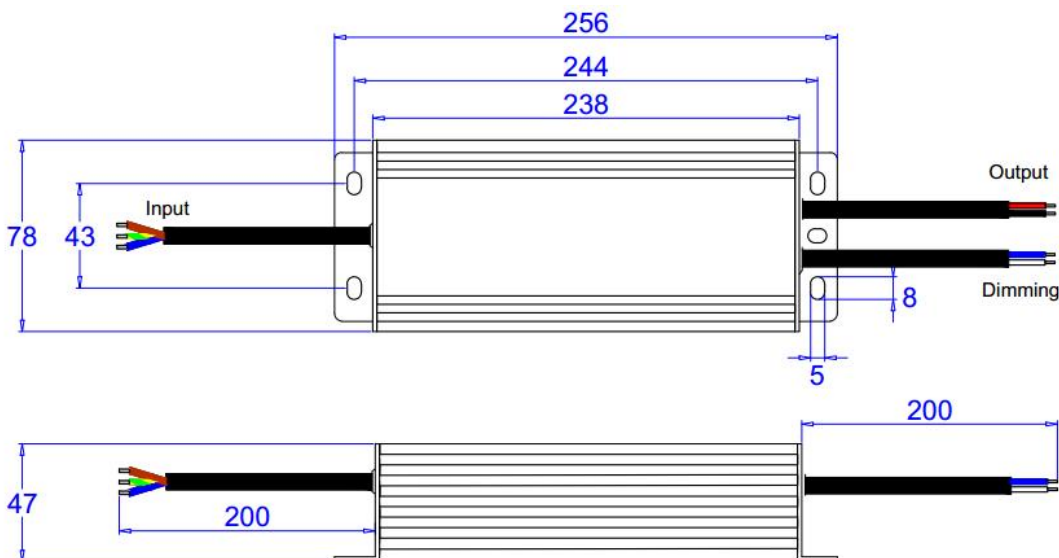
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Others	Net. Weight	1.50Kg (12V) 1.45Kg (24V)
	Size	256*78*47mm (L*W*H)
	packing	329*279*176mm/10pcs /CTN
Notes	<ol style="list-style-type: none"> 1. All parameters NOT specially mentioned are measured at 230VAC input , rated load and 25℃ of ambient temperature. 2. Tolerance: includes set up tolerance, line regulation and load regulation . 3. The power supply is considered as a component that will be operated in combination with final Equipment. Since EMC performance will be affected by the complete installation, the final equipment manufactures must be-qualify EMC Directive on the complete installation again. 	

■ 12V 200W 0-10V dimmable driver Mechanical Specification



■ 24V 200W 0-10V dimmable driver Mechanical Specification



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Label

● L Brown

Input



● N Blue

ZHUHAI SHENGCHANG
ELECTRONICS CO.,LTD.

Dimmable LED Driver

Constant Voltage

Model: KV-12150-A-DIM

Input: 200-240V~ 1.2A 50/60Hz

Output: 12V== 12.5A 150W

ta:40℃ tc:80℃ For LED module only

•tc



SELV



IP66

Output	Black	+
	Red	-
Dimming	White	+
	Blue	-

Made in China

Building 3, No.19, Yongtlan Road, Qianshan Industrial Zone, Zhuhai City, Guangdong Province, China

※Input Rubber cable H05RN-F 3G 1.0mm², the green/yellow cable connect with (FG), Brown with AC (L), Blue with AC(N)

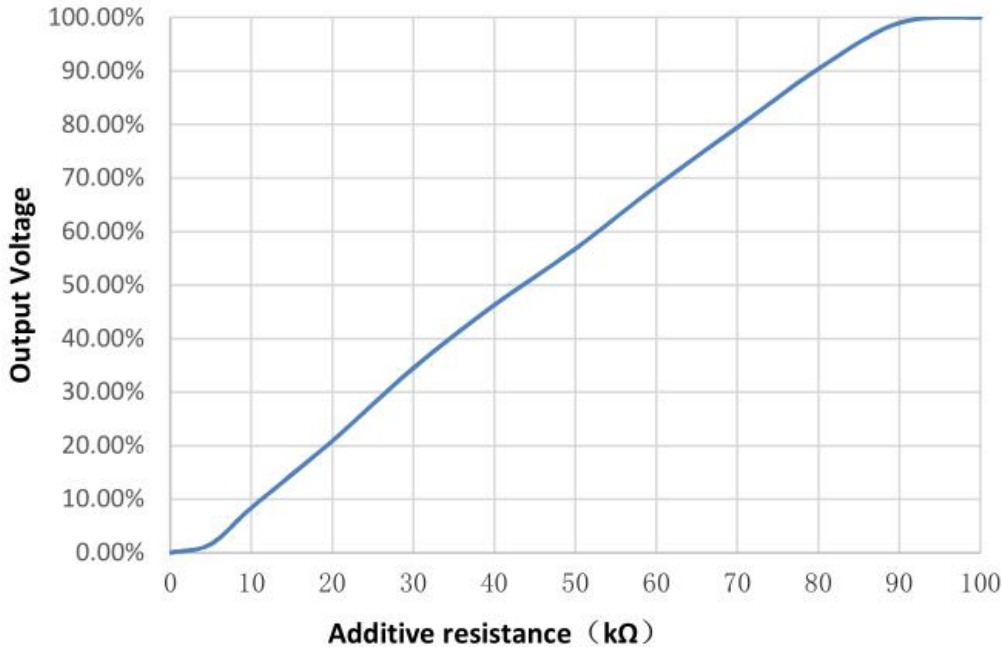
※Signal Rubber H05RN-F 2G*0.75 mm², Blue is (DIM+) ,White is (DIM-)

※Output rubber cable H07RN-F 2G*1.5mm², Red is output (V+) ,Black is output (V-) .

Note: Any other requests we can customized.

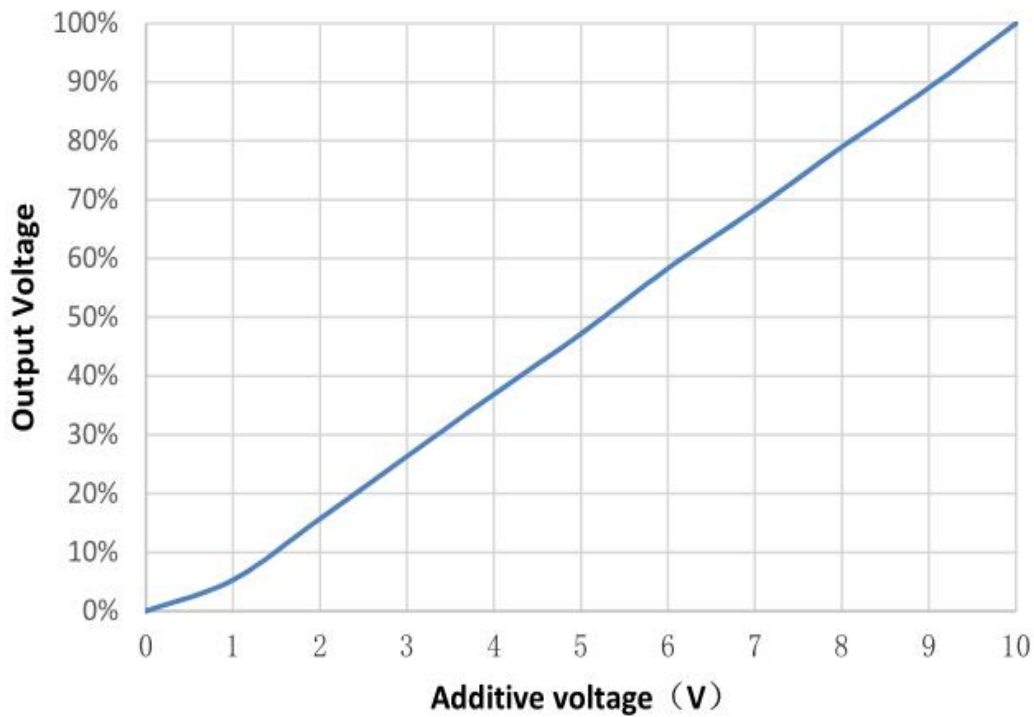
Dimming Curve

Resistance Dimming Curve

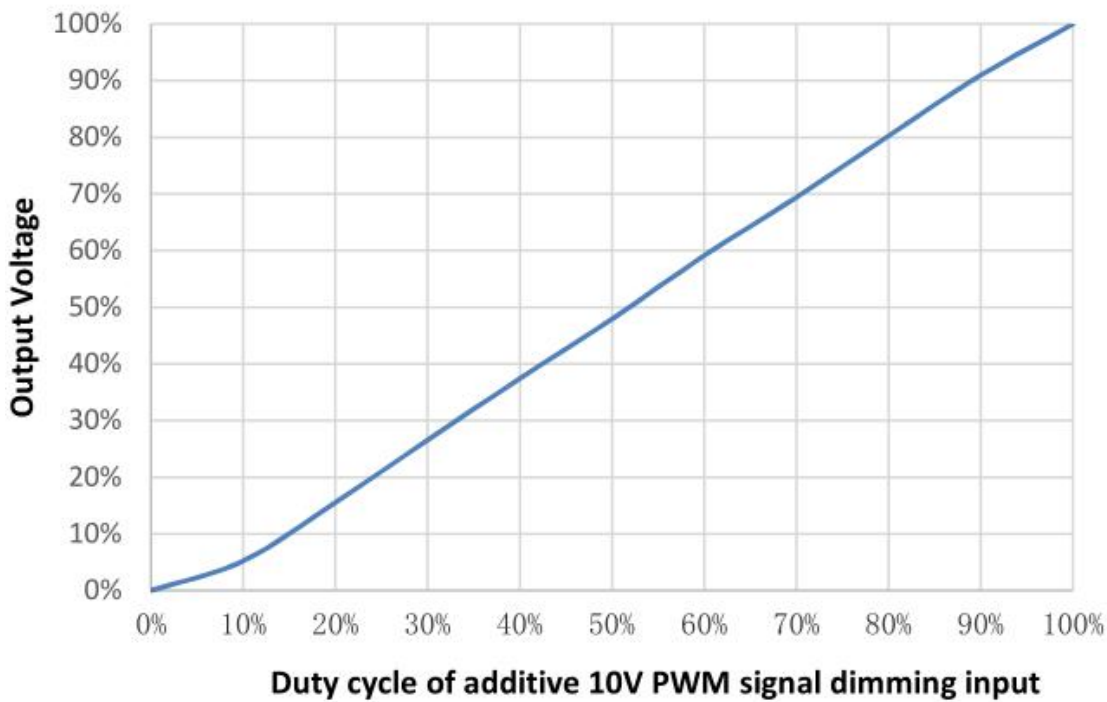


Voltage curve of signal line

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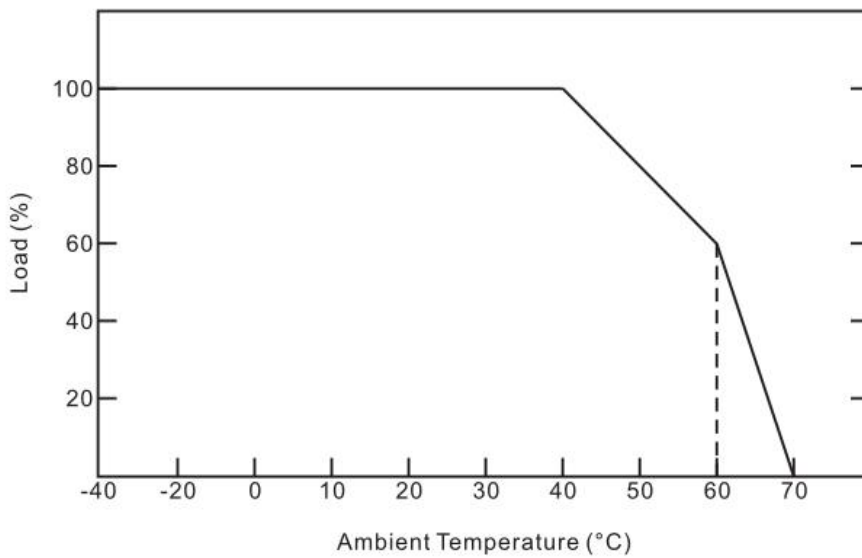


10V PWM duty ratio signal curve



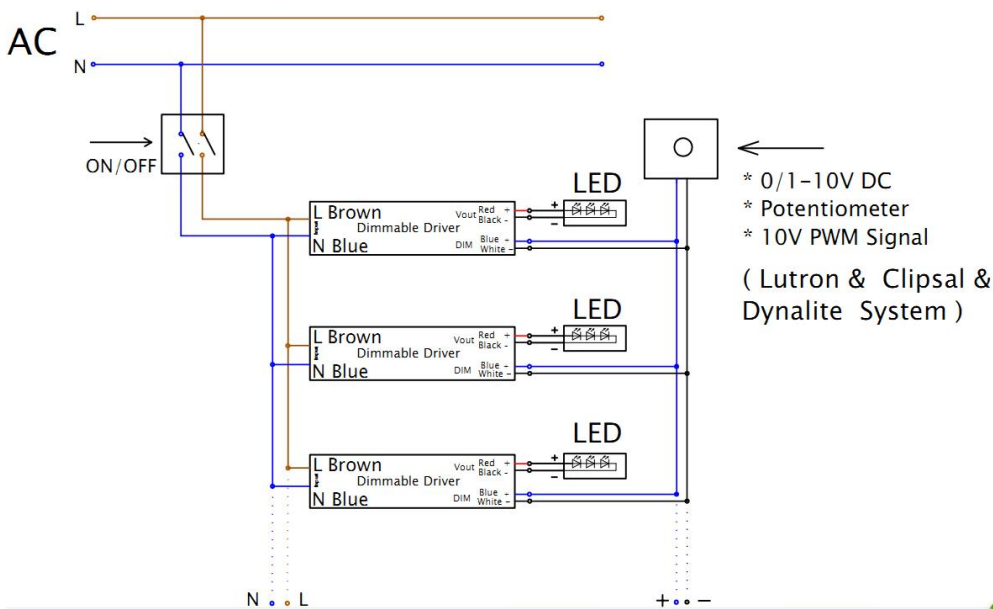
■ Derating Curve

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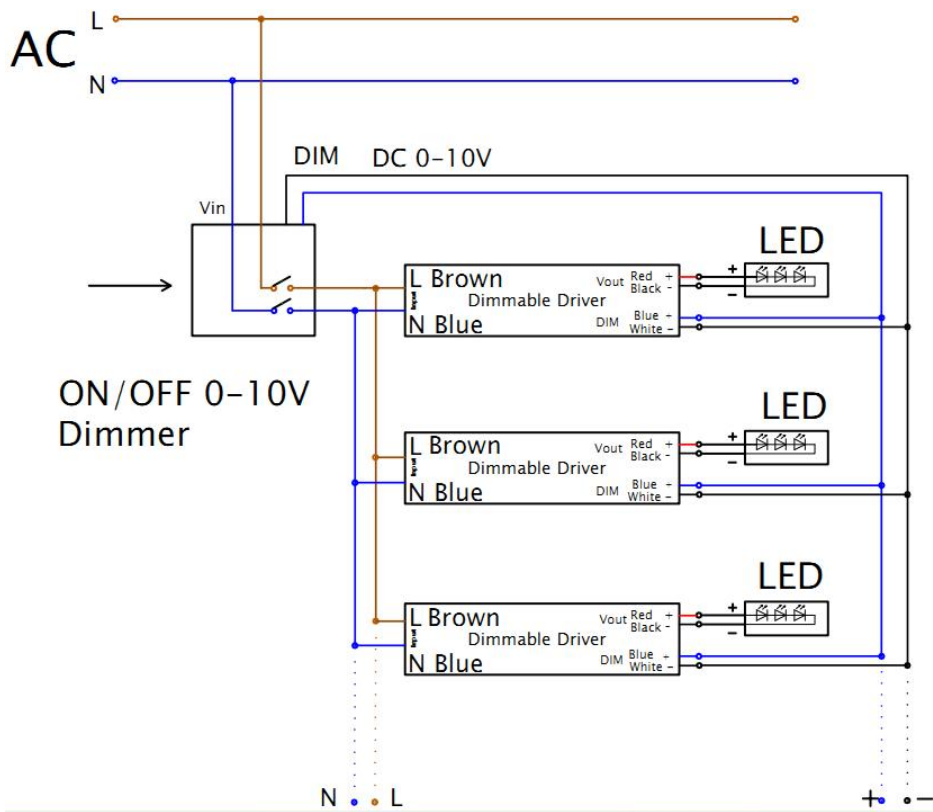


※ To extend their life ,please refer to the Derating Curve and derate according to the temperature

■ Connect Drawing



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■Instruction

- 1) This driver should be installed by qualified and professional person;
- 2) Suitable for indoor use without direct sunlight exposure; Good ventilation are need;
- 3) Ensure that wiring is correct before test in order to avoid light damage;