

0/1-10V LED dimmable driver---Constant voltage 60W

Feature:

- Output constant voltage
- Universal AC input:100-265VAC
- Built-in active PFC function
- High efficiency up to 87%
- 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



■ Specification

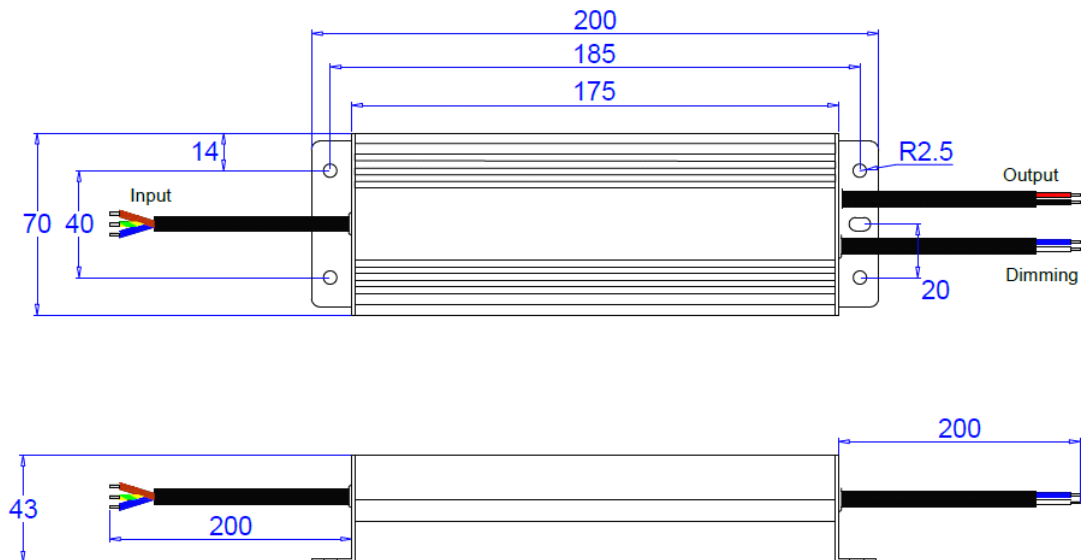
CE   IP66 SELV

Model		KV-12060-A-DIM	KV-24060-A-DIM	KV-36060-A-DIM	KV-48060-A-DIM
Output	DC Voltage	12V	24V	36V	48V
	Voltage Tolerance	±0.5V			
	Rated current	0 - 5A	0 - 2.5 A	0 - 1.67A	0 - 1.25A
	Rated power	60W			
Input	Voltage Range	100-265VAC			
	Frequency Range	47-63HZ			
	Power Factor	PF≥0.95/120VAC PF≥0.92/230VAC PF≥0.90/265VAC(Full loading)			
	Efficiency (Typ.)	84%	86%	87%	87%
	AC Current (Max.)	0.85A	0.85A	0.85A	0.85A
	Leakage current	<0.5mA			
Protection	Short Circuit	Hiccup mode, recovers automatically after fault condition is removed			
	Over Loading	≤120%			
	Over Current	≤1.2*I _{out}			
	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)			

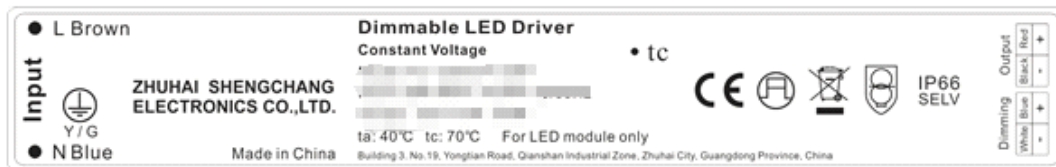
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	EMC IMMUNITY	EN61000-4-2,3,4,5,6,11,EN61547, light industry Level Criteria A
Others	Net. Weight	0.95KG
	Size	200*70*43mm
	packing	310*240*165mm /10pcs /CTN
Notes	<ol style="list-style-type: none"> 1. All parameters NOT specially mentioned are measured 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. 	

■ 60W 0-10V dimmable driver Mechanical Specification



■ Label



※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-)

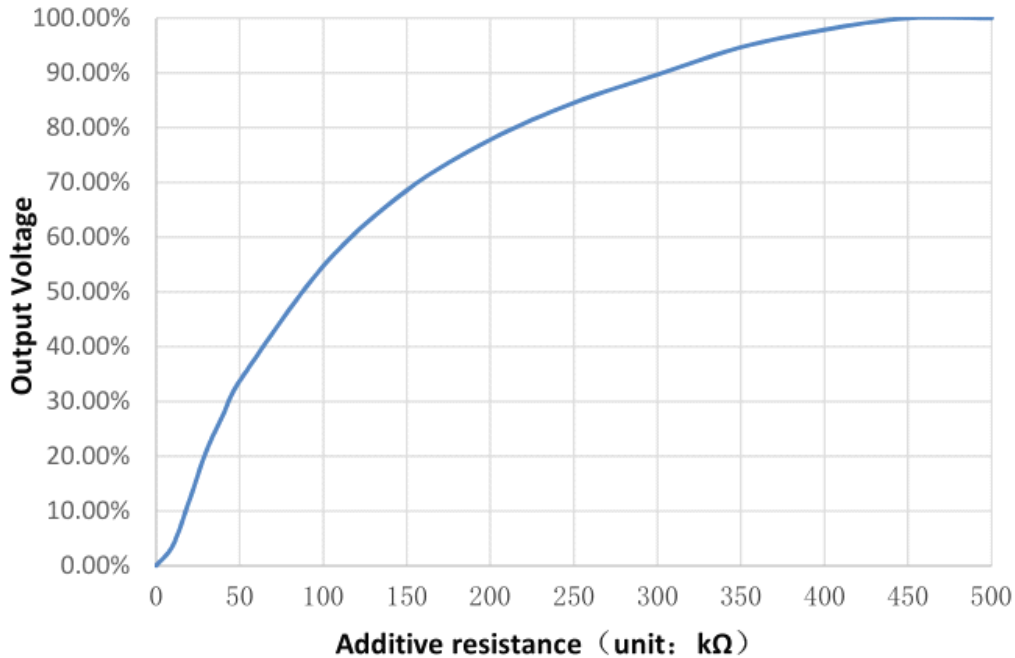
※Output rubber cable H05RN-F 2G*1.00 mm²,Red is output(V+),Black is output(V-).

Note: Any other requests we can customized.

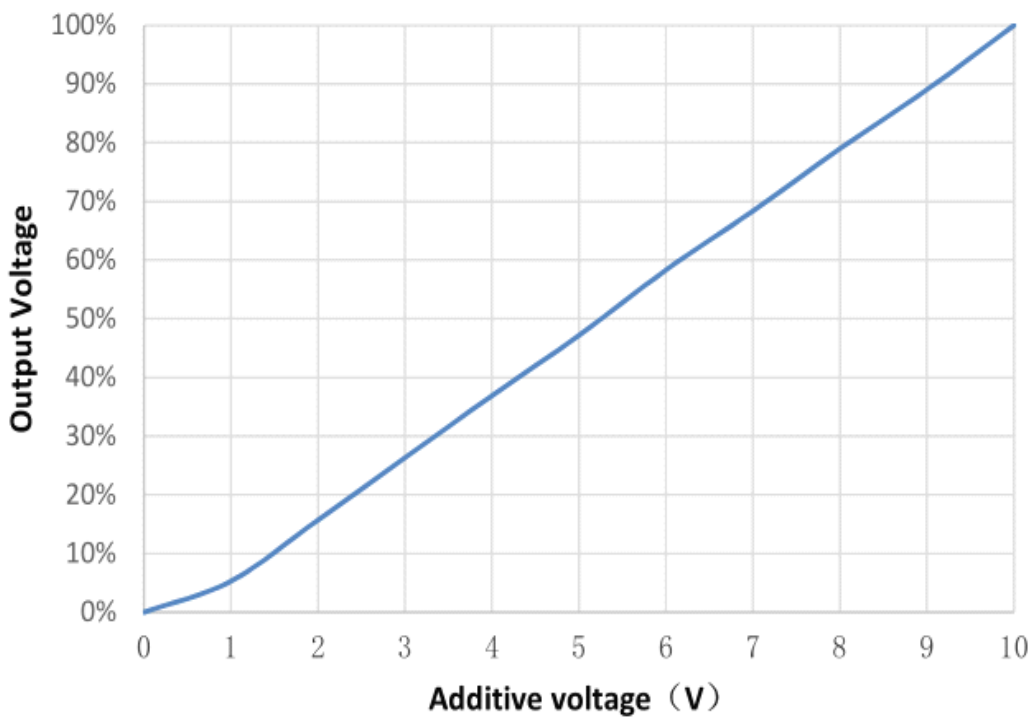
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■ Dimming Curve

Resistance Dimming Curve

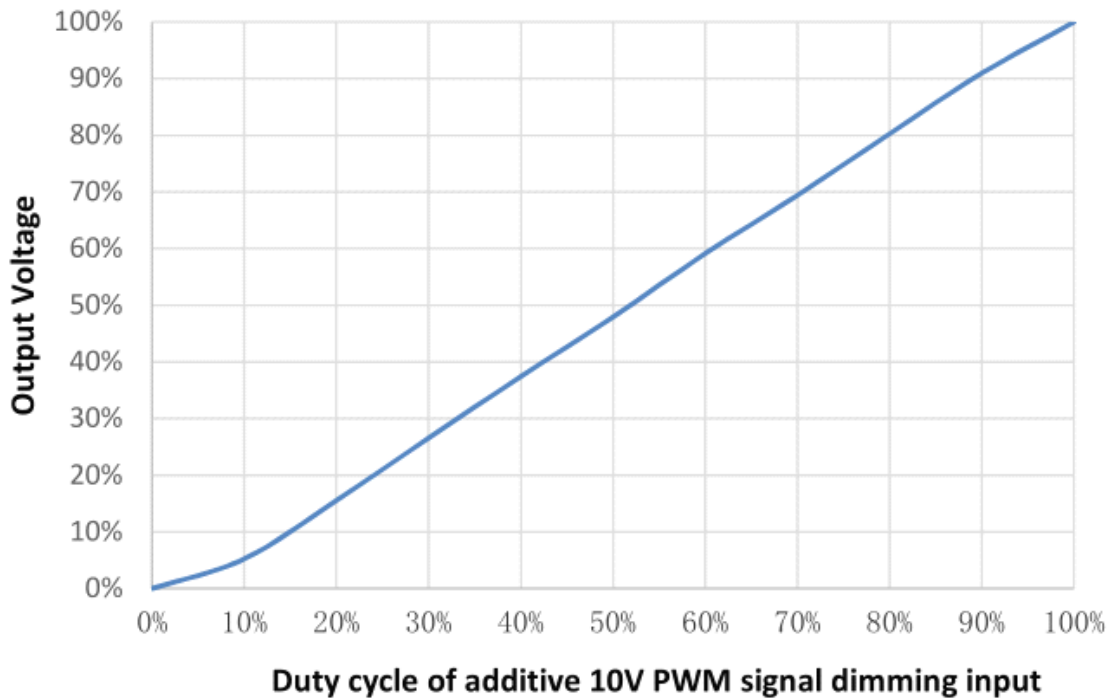


Voltage curve of signal line

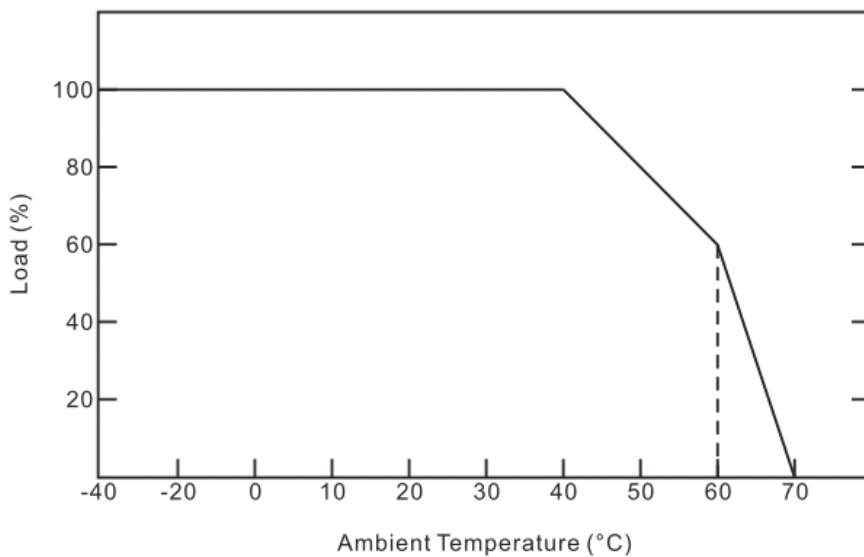


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10V PWM duty ratio signal curve



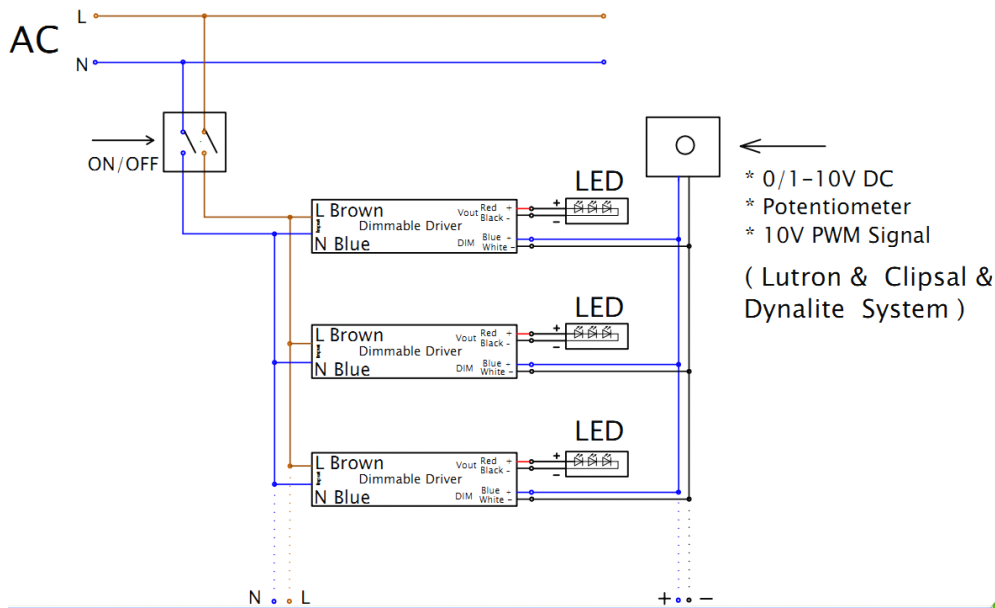
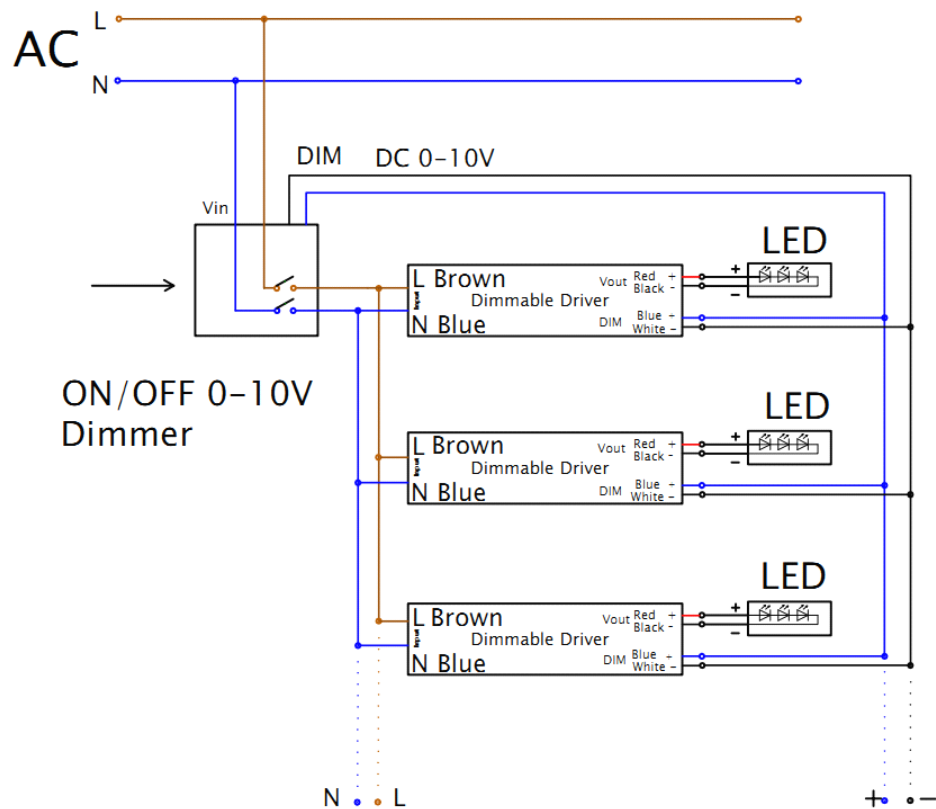
■ Derating Curve



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

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■ Connect Drawing



■ 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;