

0/1-10V LED dimmable driver--Constant voltage 300W

Feature:

- Output constant voltage
- Universal AC input:200-240VAC
- Built-in active PFC function
- High efficiency up to 91%
- 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



■ Specification



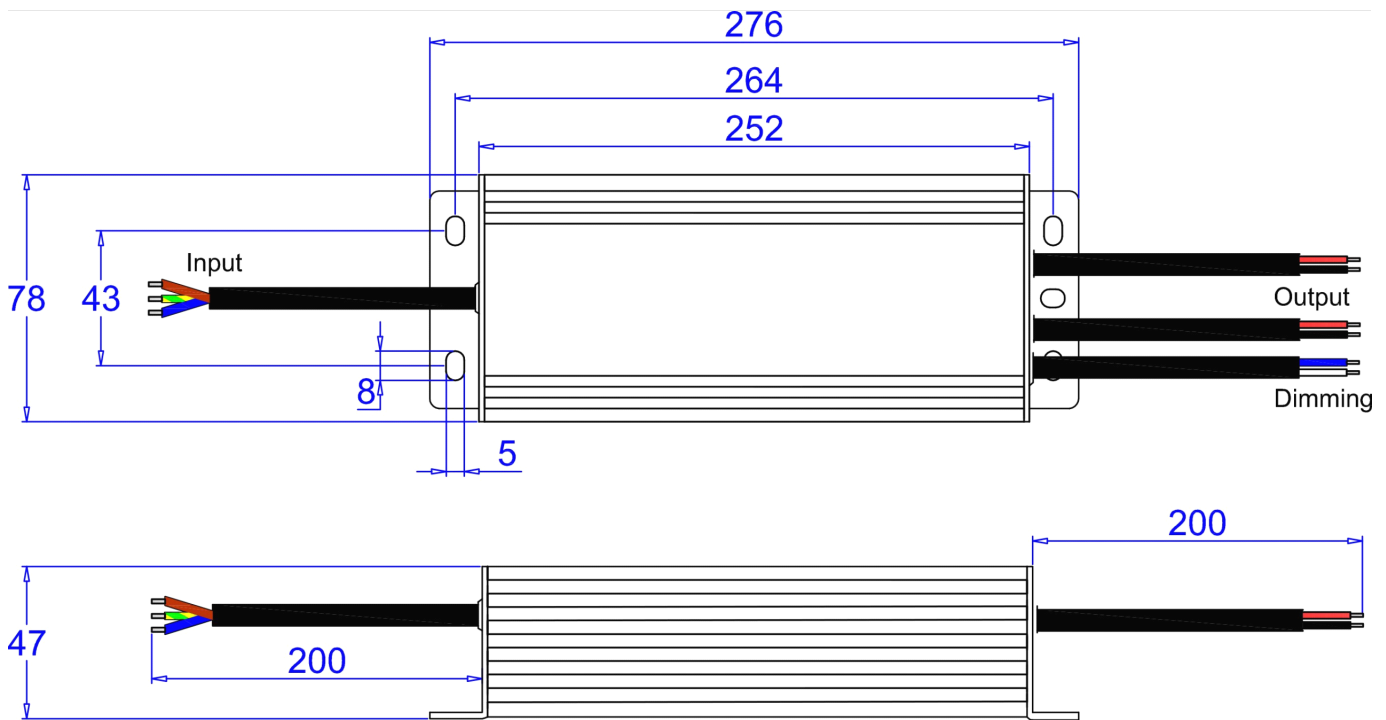
IP66
SELV

Model		KV-12300-A-DIM	KV-24300-A-DIM
Output	DC Voltage	12V	24V
	Voltage Tolerance	±0.5V	
	Rated current	0 - 25A	0 – 12.5A
	Rated power	300W	300W
Input	Voltage Range	200-240VAC	
	Frequency Range	47-63HZ	
	Power Factor	PF ≥ 0.98/230VAC	
	Efficiency(Typ.)	90%	90%
	AC Current(Max.)	2.0A	2.0A
	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}	
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	

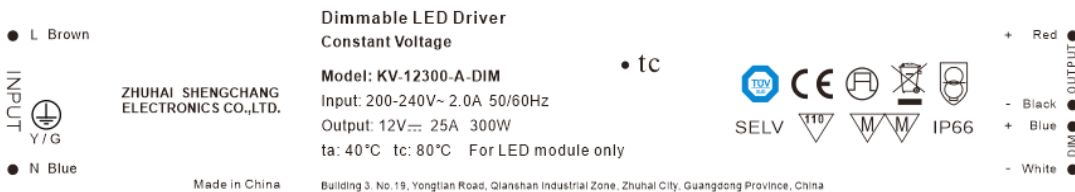
0/1-10V LED dimmable driver--Constant voltage 300W

Others	Net. Weight	1.7Kg
	Size	276*78*47mm(L*W*H)
	packing	390*310*185mm/10pcs /CTN
Notes	<ol style="list-style-type: none"> 1. All parameters NOT specially mentioned are measured at 230VAC input , rated load and 25°C 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. 	

■ 300W 0-10V dimmable driver Mechanical Specification



■ Label



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

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

※Output Rubber cable SJTW 14AWG (2*2.08mm²) ,Red is output(V+) Positive,Black is output (V-) negative.Connected

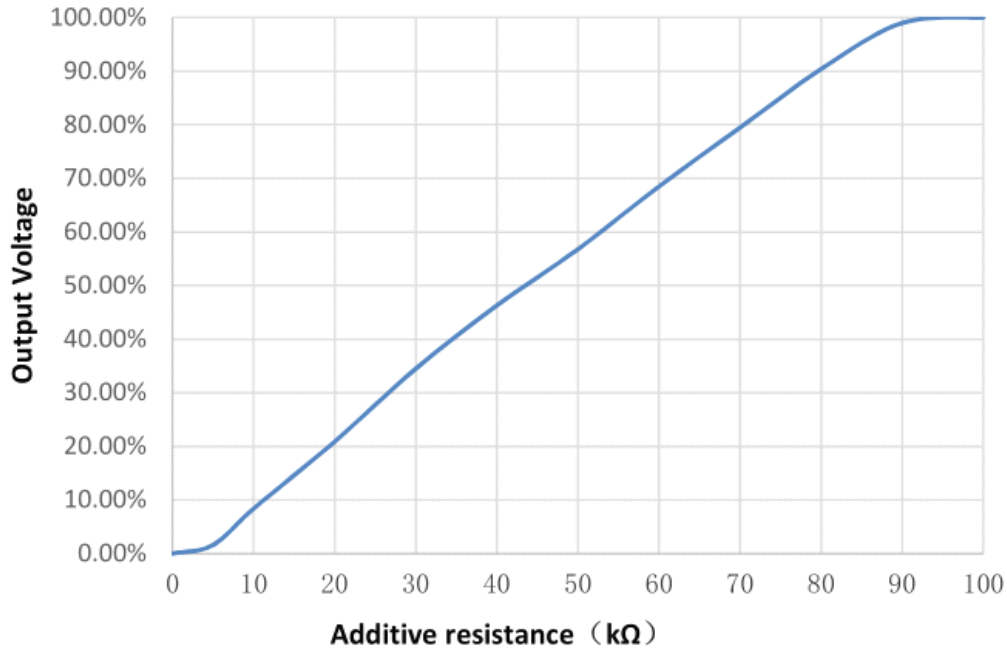
to LED Lamps. 12V DC model two groups output cable / 24V DC model one group output cable.

Note: Any other requests we can customized.

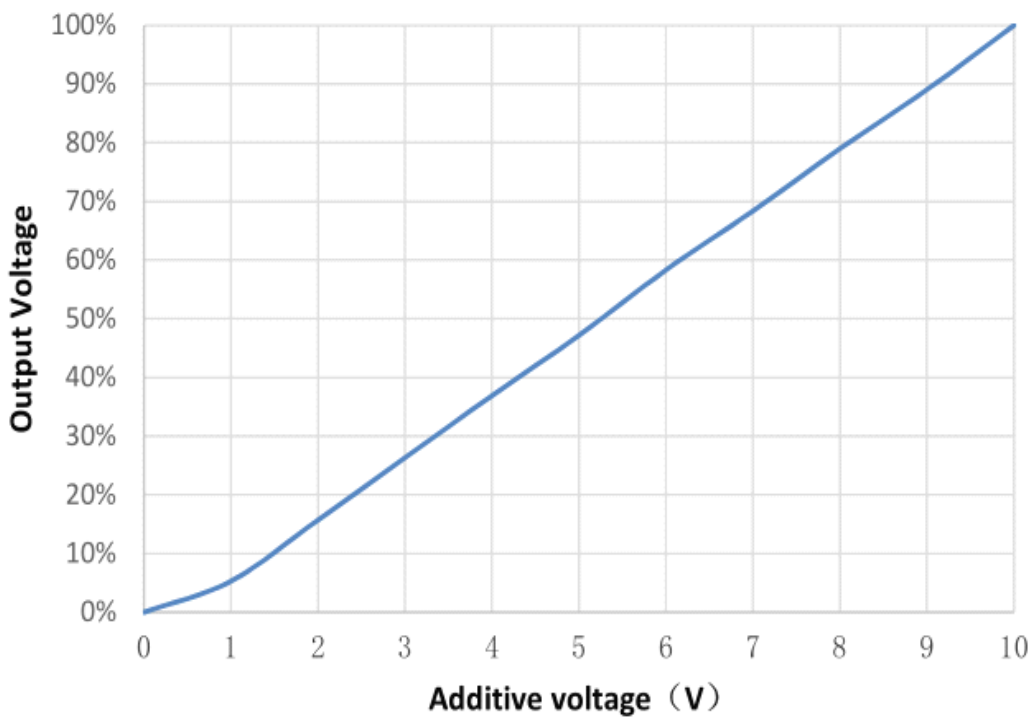
0/1-10V LED dimmable driver—Constant voltage 300W

■ Dimming Curve

Resistance Dimming Curve

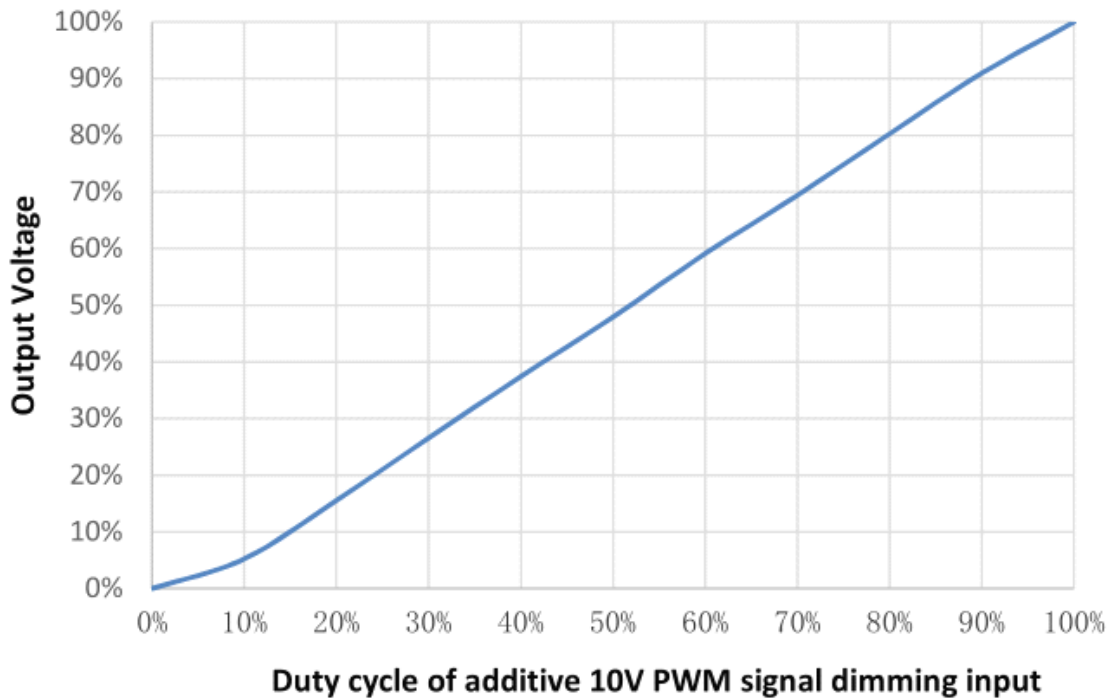


Voltage curve of signal line

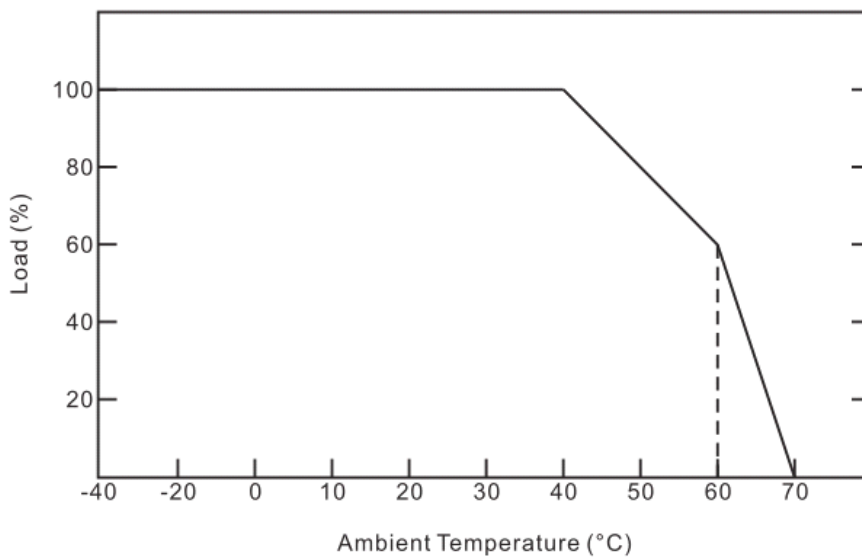


0/1-10V LED dimmable driver--Constant voltage 300W

10V PWM duty ratio signal curve



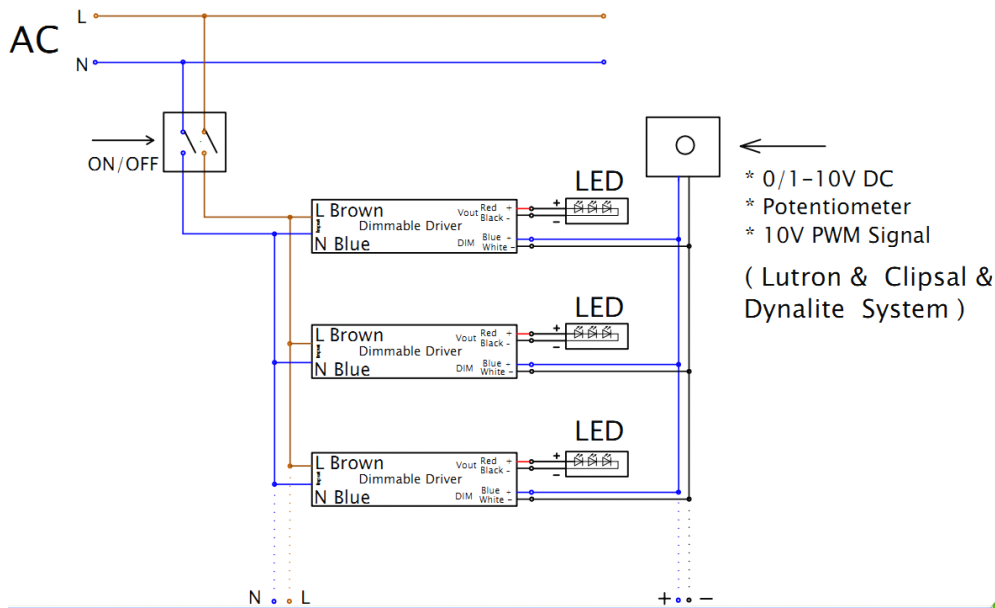
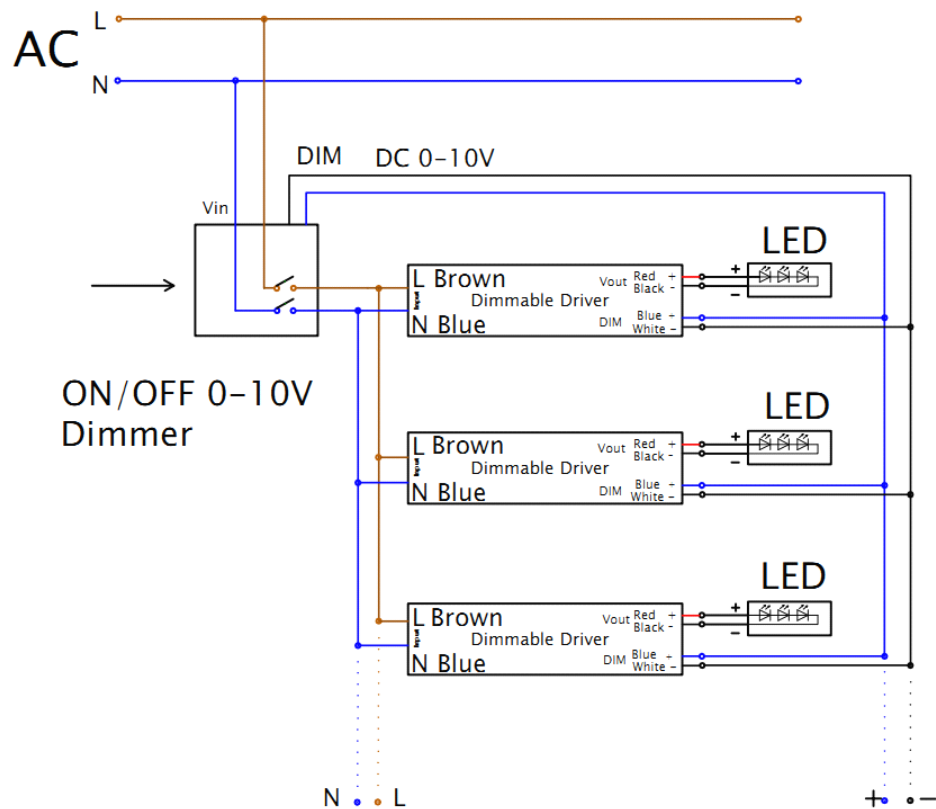
■ Derating Curve



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

0/1-10V LED dimmable driver--Constant voltage 300W

■ 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;