

# **80W 0/1-10V Potentionmeter/10V PWM(3in1)**

## **dimmable constant voltage Series**



- Features:
  - Output constant voltage
  - range 100-265VAC
  - Built-in PFC function
  - Efficiency 83%
  - Protections:short circuit/over voltage
  - Full AL housing
  - Easy installation
  - Cooling by free air convection
  - 0/1-10V Potentiometer/10V PWM(3 in 1) dimmable driver
  - Strong compatibility, flicker-free dimming
  - Suitable for LED lighting and moving sign applications
  - Compliance to worldwide safety regulations for lighting

### Specification

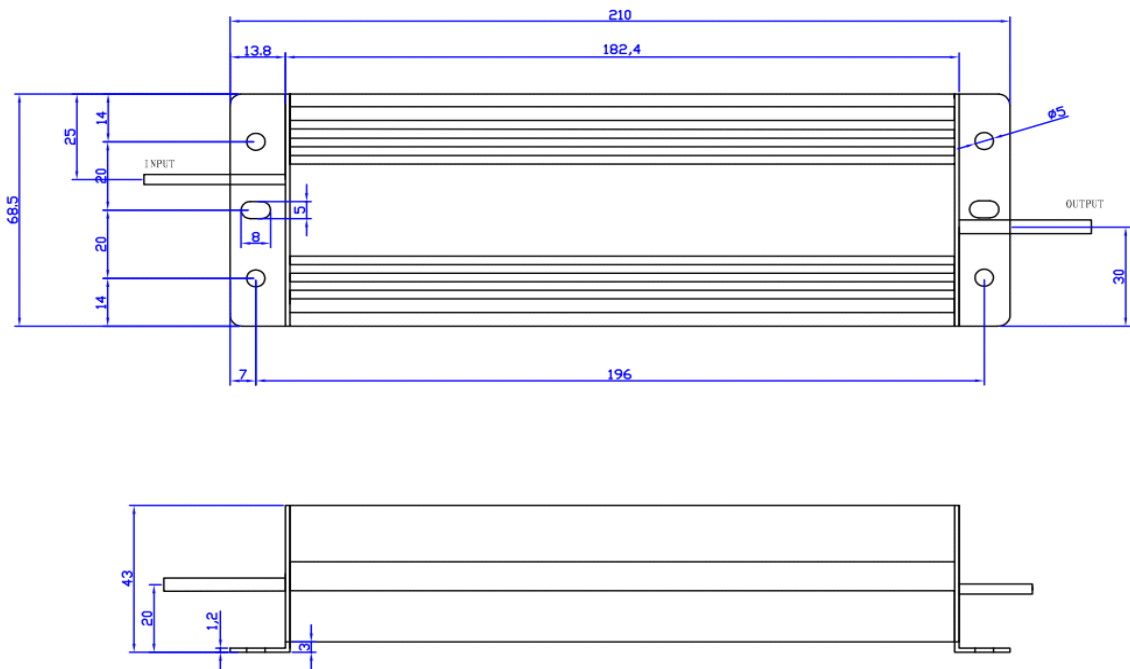


model		KV-12080-A-DIM	KV-24080-A-DIM
Output	DC Voltage	12V	24V
	Voltage Accuracy	±0.5V	
	Rated current	0-6.6A	0-3.3A
	Rated power	80W	
Input	Voltage Range	100~265V AC (100-130V DC can customized )	
	Frequency Range	47~63HZ	
	Power Factor ( Typ. )	PF ≥ 0.95	
	Full Load Efficiency ( Typ. )	87%	89%
	AC Current ( Typ. )	0.27A/220VAC	
	Leakage current	< 3.5mA/220VAC	
Protection	Short Circuit	Hiccup mode, recovers automatically after fault condition is removed.	
	Over voltage	≤ 270VAC	
Environment	Working TEMP.	-40~+60℃	
	Working Humidity	20~90%RH,non-condensing	
	Storage TEM.,Humidity	-40~+80℃, 10~95%RH	
	TEMP.coefficient	±0.03%/℃ ( 0~50℃ )	
	Vibration	10~500Hz, 2G 10min./1 cycle, period for 60min. each along X,Y,Z axes	
Safety & EMC	Safety standards	EN-60950-1, EN61347-2-13, EN61558-2-16,	
	Withstand voltage	I/P-O/P:3.75KVAC	
	Isolation resistance	I/P-O/P: 100MΩ/500VDC/25℃/70%RH	
	EMC EMISSION	Compliance to EN55015, EN61000-3-2 ( ≥ 50%load )	
	EMC IMMUNITY	Compliance to EN55015; EN61000-4-2,3,4,5,6,8,11, , Alight industry level	
Others	Weight	1.Kg	

	Size	200*68*45mm (L*W*H)
	packing	440*295*145mm 10pcs/carton
<b>Notes</b>	1. All parameters NOT specially mentioned are measured at 230VAC input , rated load and 25℃of ambient temperature.	
	2. Ripple& noise are measured at 20MHz of bandwidth by using a 12"twisted pair-wire terminated with a 0.1uf &47uf parallel capacitor.	
	3.Tolerance:includes set us tolerance,line regulation and load regulation .	

## 80W 0/1-10V/Potentiometer/10V PWM(3in1)dimmable constant voltage Series

### 80W 0/1-10V/Potentiometer/10V PWM (3 in 1) dimmable driver Mechanical Specification



- ※Input 18AWG\*3C, the green/yellow cable connect with (FG), Brown with AC (L),Blue with AC(N)
- ※Signal 18AWG\*2C, Blue is (DIM+) ,White is (DIM-)
- ※Output 18AWG\*2C, Red is output (V+) ,Black is output (V-)
- ※Note: Any other requests we can customized.

### Dimming Operation

- ※Built-in 3 in 1 dimming function, IP66 rated .Output constant current level can be adjusted through output cable by connection resistance or 1-10V DC or 10V PWM signal between DIM+ and DIM-
- ※
- ※Reference resistance value for output current adjustment (Typical)

Resistance value	Signal driver	0Ω	10KΩ	20KΩ	30KΩ	40KΩ	50KΩ	60KΩ	70KΩ	80KΩ	90KΩ	100KΩ	OPEN
	Multiple drivers	0Ω/N	10KΩ/N	20KΩ/N	30KΩ/N	40KΩ/N	50KΩ/N	60KΩ/N	70KΩ/N	80KΩ/N	90KΩ/N	100KΩ/N	——
Percentage of rated current		0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	102%-108%

※1-10/0-10V dimmable function for output current adjustment(Typical)

Dimming value	0V	1V	2V	3V	4V	5V	6V	7V	8V	9V	10V	OPEN
Percentage of rated current	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	102%-108%

※10V PWM signal for output current adjustment (Typical): Frequency range:100Hz-3KHZ

Duty value	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	OPEN
Percentage of rated current	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	102%-108%