

Class 2 multi-channels 384W

0-10V/1-10V/Potentiometer/10V PWM (4 in 1) Dimmable led driver

■ Features:

- Output constant voltage
- Range: 110-277VAC
- Built-in PFC function, PF>0.93
- Efficiency > 89%
- Protections:short circuit/over voltage/over temperature
- Cooling by free air convection
- Dimming function:0-10V/ 1-10V/ 10V PWM or Resistor dimmable.
- Suitable for LED lighting and moving sign applications
- Compliance to worldwide safety regulations for lighting
- PWM output, does not change the color index
- Dimming range: 0-100%
- Suitable for dry/damp/wet locations / 7 years warranty



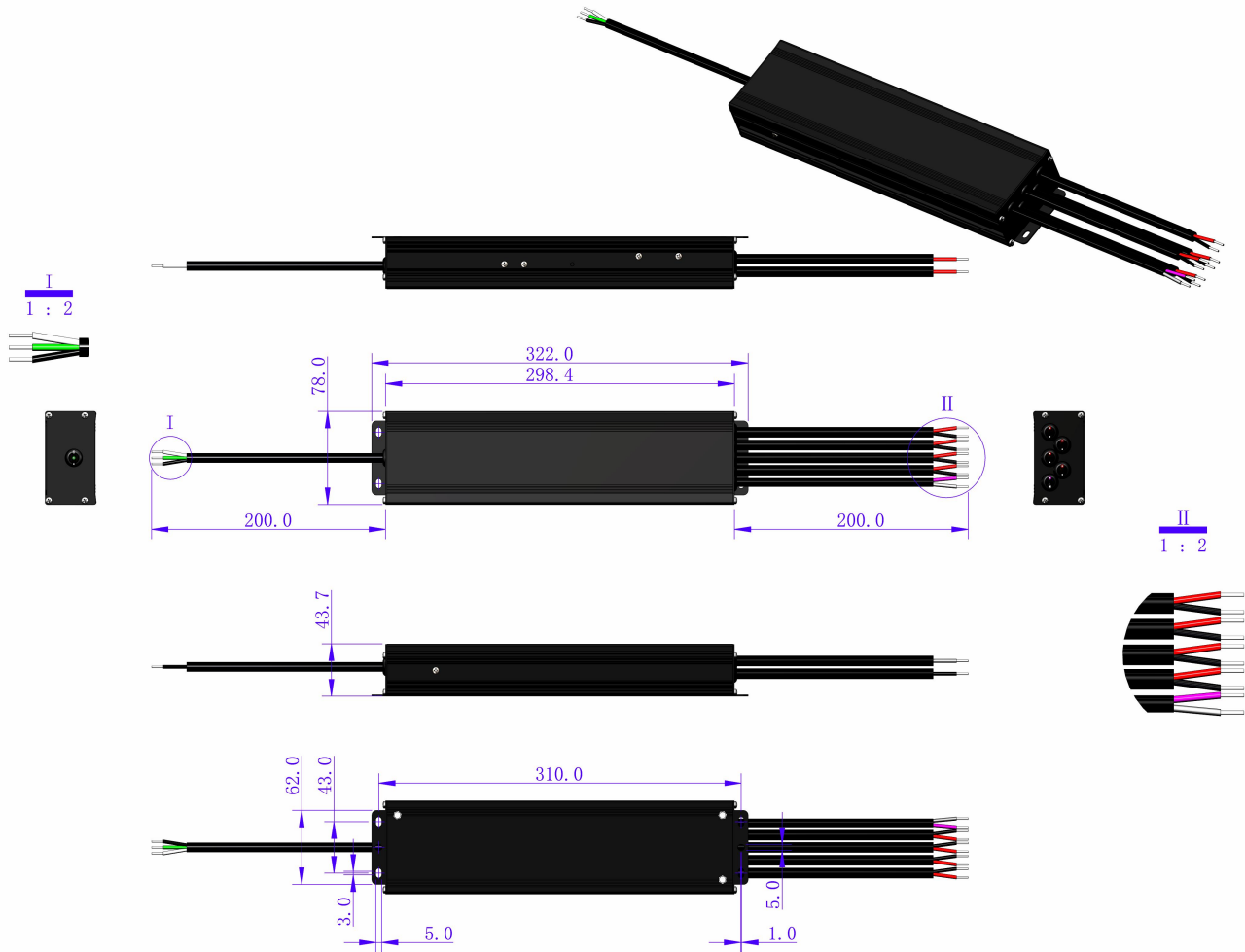
Specification



Model		CIP-SMT-024-384VDHW2
Output	DC Voltage	24V
	Voltage Tolerance	4*4A
	Voltage Regulation	384W (4*96W)
	Voltage Tolerance	±0.5V
	Load Regulation	±0.5%
	Rated current	±1%
Input	Voltage Range	110-277VAC
	Frequency Range	47-63Hz
	Power Factor (Typ.) @ full load	0.95@120VAC 0.93@277VAC
	THD (Typ.) @ full load	≤10%@120V ≤20%@277V
	Efficiency (Typ.) @ full load	87%@120V 89%@277VAC
	AC Current (Max.)	4.1A@100VAC
	Inrush Current (Typ.)	30A/1.2mS@50%Ipeak
	Leakage current	<0.50mA
Protection	Short Circuit	Hiccup mode ,recovers automatically after fault condition is removed
	Over Loading	≤120% Hiccup mode ,recovers automatically after fault condition is removed
	Over temperature	100°C±10°C shut down o/p voltage, automatically recover after cooling.
Environment	Working TEMP.	-40~+60°C (see below derating curve)
	Working Humidity	20~90%RH, non-condensing
	Storage TEMP. Humidity	-40~+80°C, 10~95%RH
	TEMP .coefficient	±0.03%/°C (0~50°C)
	Vibration	10~500Hz, 5G 10min./1 cycle,period for 60min. each along X,Y,Z axes
Safety&EMC	Safety standards	UL8750
	Withstand voltage	I/P-O/P:1.88KVAC
	Isolation resistance	I/P-O/P:100MΩ/500VDC/25°C/70%RH
	EMC EMISSION	FCC 47 CFR Part 15 ,Subpart B

Others	Weight	2.1Kg
	Size	332**78*44(L*W*H)
	packaging	10pcs /CTN
Notes	1. All parameters NOT specially mentioned are measured at 120VAC & 277vac input , rated load and 25°C of ambient temperature. 2. Tolerance:includes set us tolerance,line regulation and load regulation .	

■Mechanical Specification



Unite: mm
Tolerance:P 0.5-2mm

- ※ Input wire 18AWG Black and White to be connected to AC L and N ,Green wire go ground,
- ※Output cable 2*18AWG,Red" (+) to LED Positive side (+) , "Black"(-) to LED Negative side (-).
- Four groups output cables. of SMT-024-384VDHW2
- ※Dimming cable 2*18AWG,DIM (+) Purple to 0/1-10V dimmer signal(+),DIM (-) pink to 0/1-10V dimmer signal (-)
- ※Please DO NOT connect "DIM-" to "LED-", "DIM+" to "LED+", or other incorrect connection.
- ※Please make sure your connect these correctly otherwise your product will not function correctly and could be damaged.

■Dimming Operation

- ※Built-in 4 in 1 dimming function, I67 rated .Output constant current level can be adjusted through output cable by connection a 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%

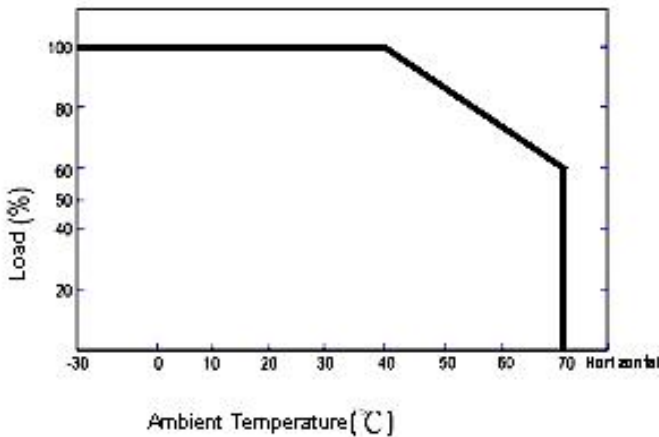
※1-10V/0-10V dimmable function for output current adjustment(Typical)

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%

Derating Curve



※Load carried in accordance with the load derating curve, according to the ambient temperature derating, in order to extend the working life.

0/1-10V / Potentiometer / 10V PWM (4 in 1) Dimmable LED Driver connecting solution:

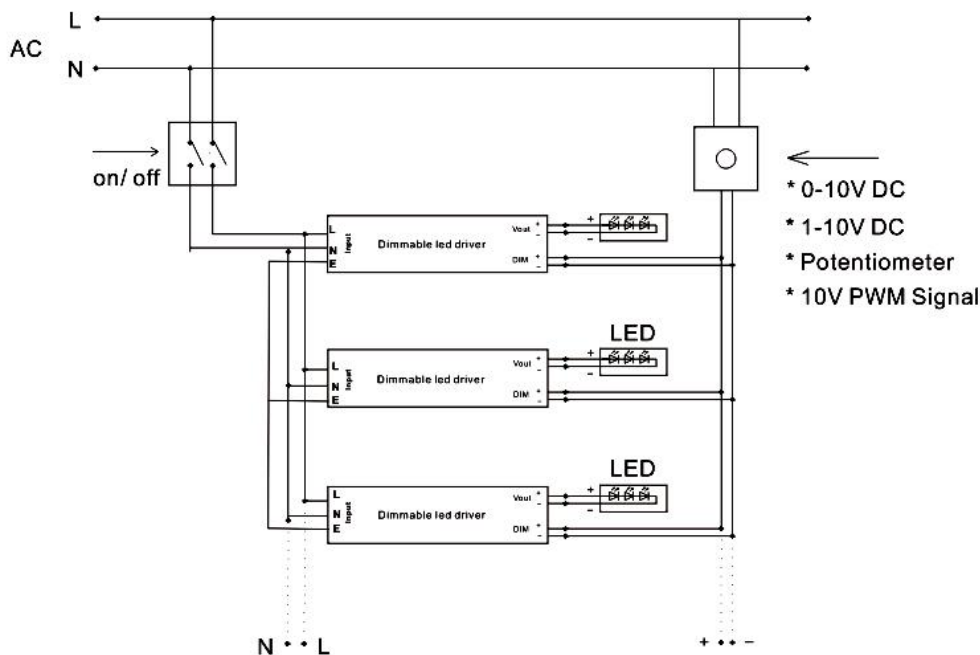


Diagram 1

Diagram 2 as below:

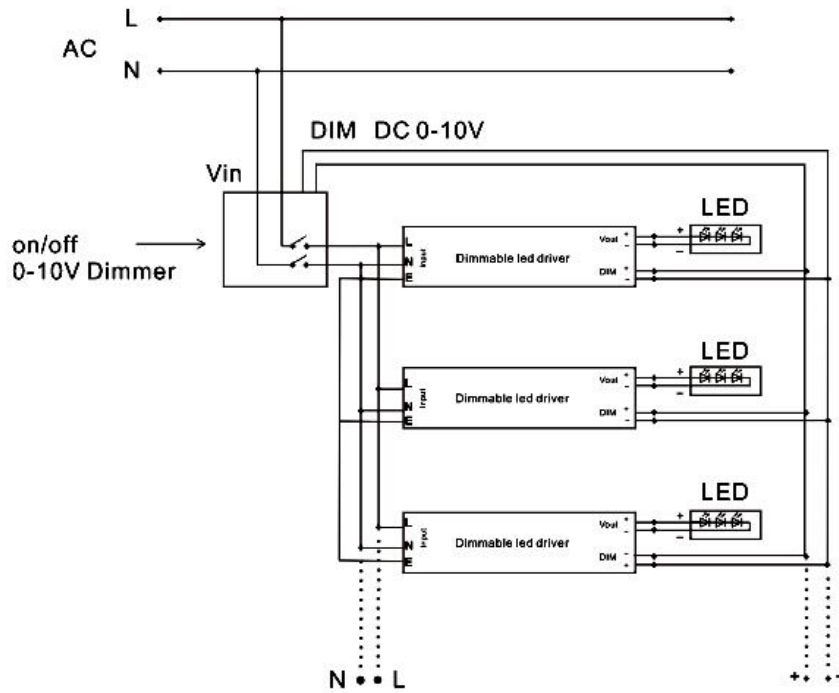


Diagram 2

■ Instruction:

- ※This driver should be installed by qualified and professional person;
- ※Please make sure the driver is installed with adequate ventilation around it to allow for heat dissipation.
- ※Ensure that wiring is correct before test in order to avoid light and power supply damage;
- ※If the dimmable LED drivers do not work normally, pl. don't maintain privately, contact us.