

■ Features:

- Output constant voltage
- Range: 200-240VAC
- Built-in active PFC function Power Factor: up to 0.95
- Efficiency up to 90%
- Dimming range: 0-100%
- Load: 10-100%
- Protection: short circuit/over loading/ Over temperature
- PWM output, does not change the color index
- Full protection plastic case, IP20 for indoor installation
- No Flicker
- Compatible with Namron brand TRIAC dimmers
- Cooling by free air convection
- Suitable for LED lighting and moving sign applications



■ Specification



Model		6603262, KVF-24100-TDHS-2C
Output	DC Voltage	24V
	Voltage Tolerance	±0.5V
	Voltage Regulation	± 0.5%
	Rated current	4.17A
	Rated power	100W
	Load Regulation	±2%
Input	Voltage Range	200-240VAC
	Frequency Range	47 - 63Hz
	Power Factor @ full load	PF≥0.95/230VAC
	THD (Typ.) @ full load	≤20%
	Efficiency (Typ.) @ full load	90%
	AC Current (Max.)	0.8A/200VAC
	Inrush Current (Typ.)	40A/104uS@50%Ipeak
Leakage current	<0.5mA	
Protection	Short Circuit	shut down o/p voltage, re-power on to recover after fault condition removed
	Overload	≤120% Hiccup mode ,recovers automatically after fault condition is removed.
	Over temperature	100°C±10°C
	Protection Class	II
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, 2G 10min./1 cycle, period for 60min. each along X,Y,Z axes
Safety & EMC	Safety standards	EN61347-1 EN61347-2-13 EN62493
	Withstand voltage	I/P-O/P:3.75KVAC
	Isolation resistance	I/P-O/P: 100MΩ/500VDC/25°C/70%RH

	EMC Emission	EN55015 EN61000-3-2 EN61000-3-3
	EMC Immunity	EN61000-4-2,3,4,5,6,11 EN61547
Others	Net Weight	0.45Kg
	Dimension	330*30*22mm(L*W*H)
	packing	30pcs /CTN SIZE: 350X330X145mm
Notes	<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°Cof ambient temperature.</p> <p>2. Tolerance: includes set up tolerance, line regulation and load regulation.</p> <p>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 manufacturers must be-qualify EMC Directive on the complete installation again.</p>	

■ Mechanical Specification

序号 NO.	内容 DESCRIPTION	原因 REASON	日期 DATE	修改人 MODIFIER
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产品名称: PRODUCT NAME	X		产品编码: PRODUCT No.	x	
设计: DESIGNED	侯超 2021-11-01	零件名称: PART NAME	LP9-3 安装图	页码: SHEET	1 of 1
审核: CHECKED		材料: MATERIAL	X	版本号: REV	A0
批准: APPROVED		图号: DRAWING No	X	比例: SCALE	FIT
表面处理 TREATMENT	X	视角: PROJ		单位: UNIT	mm/in

TOLERANCE	20~ mm	±2.0mm	ANGLE
	10~20mm	±1.0mm	
	5~10mm	±0.8mm	
	0~5 mm	±0.5mm	

Zhuhai Shengchang Electronics Co., Ltd.
珠海市圣昌电子有限公司

※ Input terminals: (L) and (N) to connect to L and N of Mains AC

※ Output terminals: "Red" (+) to LED Positive side (+), "Yellow"(-) to LED's WW Negative side (-), "White"(-) to LED's SW Negative side (-).

※ Suggested wire diameter: Input 0.75--2.0mm²; Output 0.5-2.0mm²

※ Please make sure to connect these correctly otherwise your product will not function correctly and could be damaged.

※ Note: Any other requests we can customized.

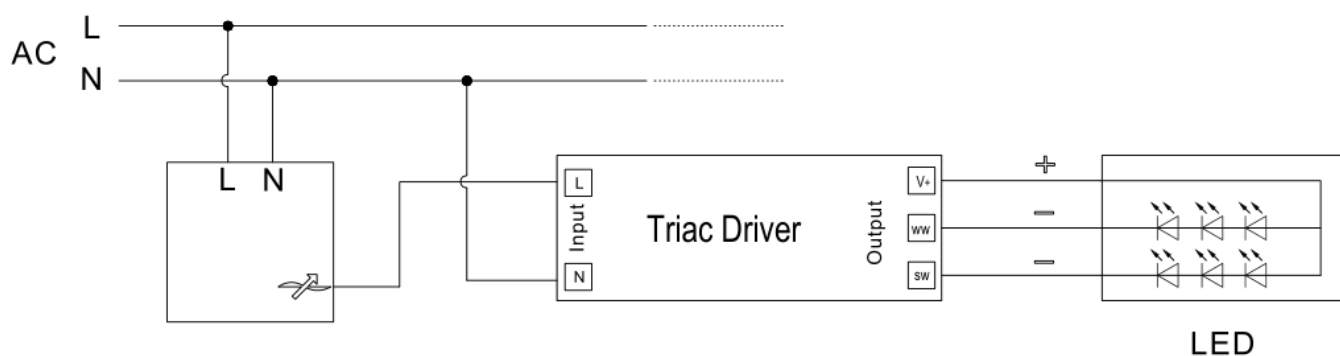
■ Dimming Operation

※ The Pulse-Width Modulation (PWM) of output voltage can be adjusted through input terminal of the AC phase line(L) by connection a phase/triac dimmer.

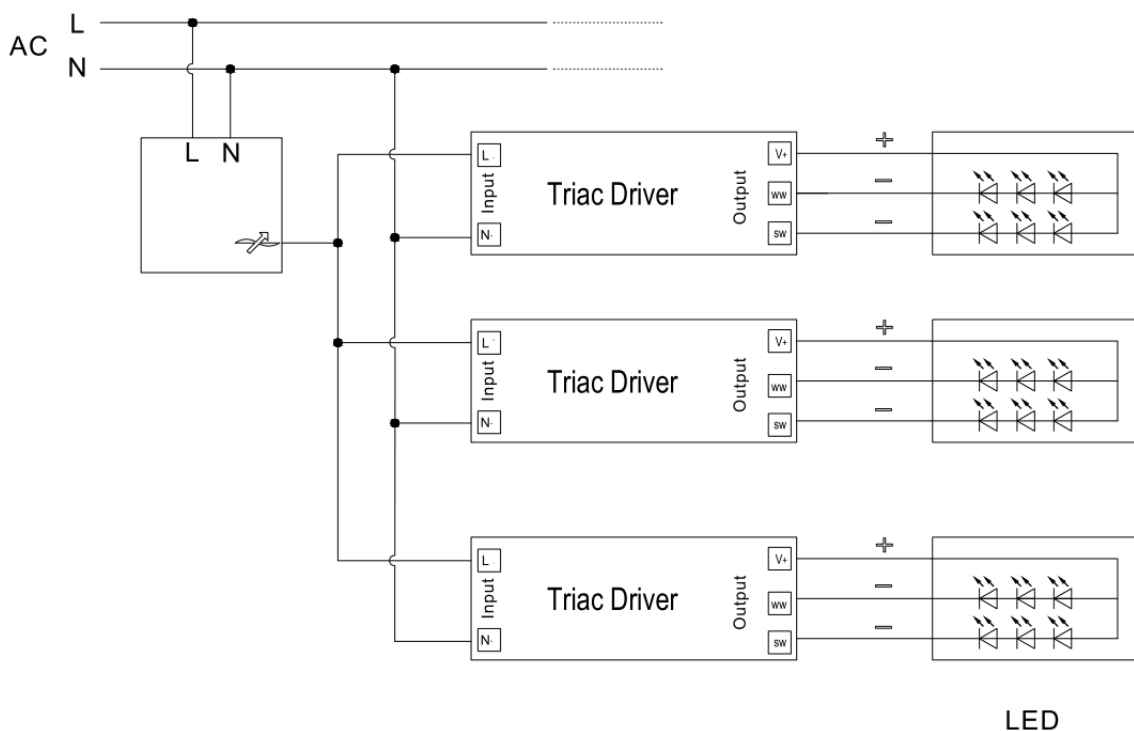
※ Usually matching with leading edge and trial edge Triac Dimmers both;

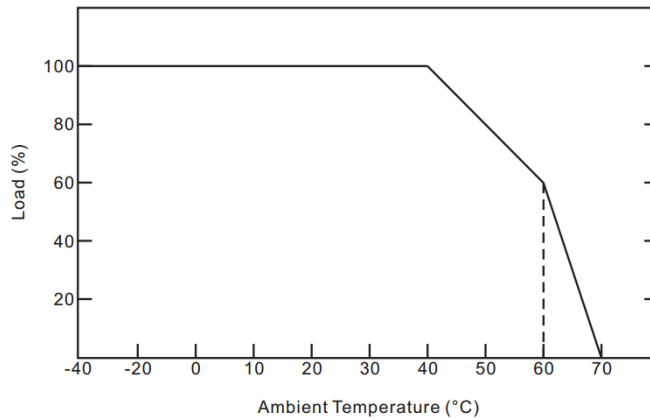
※ Please try to use dimmers with power at least 1.5 times as the output power of the driver.

■ Connecting Diagram



可控硅接线图



Derating Curve

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

Instruction:

- 1) This driver should be installed by qualified and professional person;
- 2) Please make sure the driver is installed with adequate ventilation around it to allow for heat dissipation.
- 3) Ensure that wiring is correct before test in order to avoid light and power supply damage;
- 4) If driver Cannot work normally, don't maintain privately.