

■ Features:

- Output constant voltage
- Range: 200-240VAC
- Built-in active PFC function Power Factor: up to 0.96
- Efficiency up to 88%
- 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, IP66 for indoor and outdoor installation
- Flicker-free
- Compatible with leading edge and trailing edge TRIAC dimmers
- Cooling by free air convection
- Suitable for LED lighting and moving sign applications



■ Specification

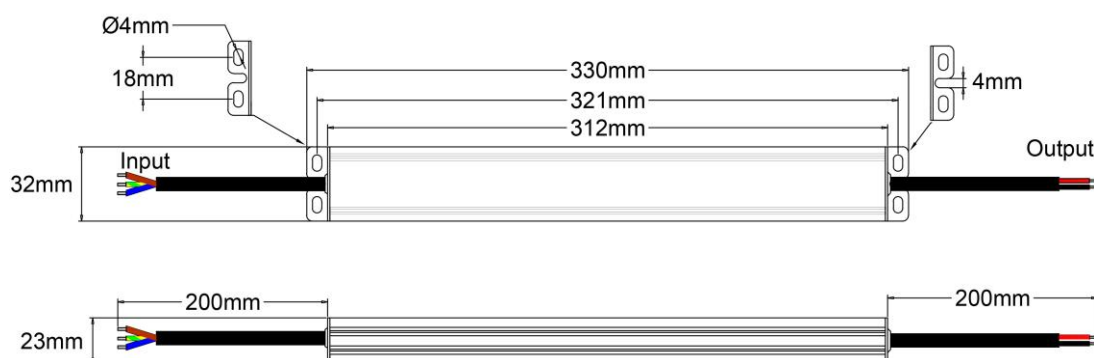


IP66 SELV

Model		6603261, KVF-24100-TDHL
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≥0.96/230VAC
	THD (Typ.) @ full load	<10%
	Efficiency (Typ.) @ full load	88%
	AC Current (Max.)	0.59A/200VAC
	Inrush Current (Typ.)	52A, 50% 210us@230VAC
	Leakage current	<0.5mA
Protection	Short Circuit	shut down o/p voltage, re-power on to recover after fault condition removed
	Overload	≤120% constant current limiting, auto-recovery
	Over temperature	100°C±10°C
	Protection Class	I
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	EN61347-1 EN61347-2-13 EN62493
	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: 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	0.55Kg
	Dimension	330*32*23mm(L*W*H)
	packing	30pcs /CTN SIZE: 360X270X175mm
Notes	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.	

■ Mechanical Specification



※ Input : Cable H05RN-F 3*1.0mm² Brown(L)and Blue(N) to connect to L and N of Mains AC;the green /yellow cable connect with (FG),

※Output : Cable H05RN-F 2*1.0mm² "Red" (+) to LED Positive side (+) , "Black"(-) to LED Negative side (-).

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

※Note: Any other requests we can customized.

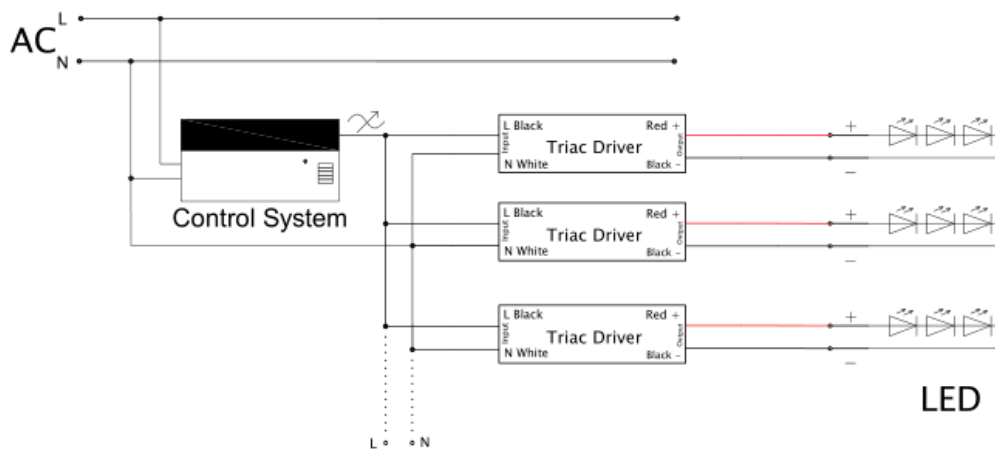
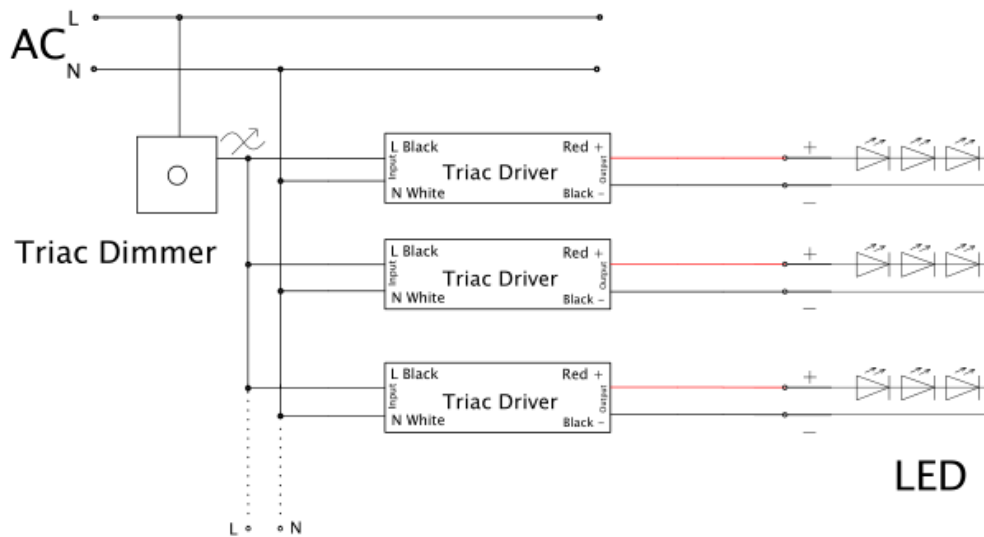
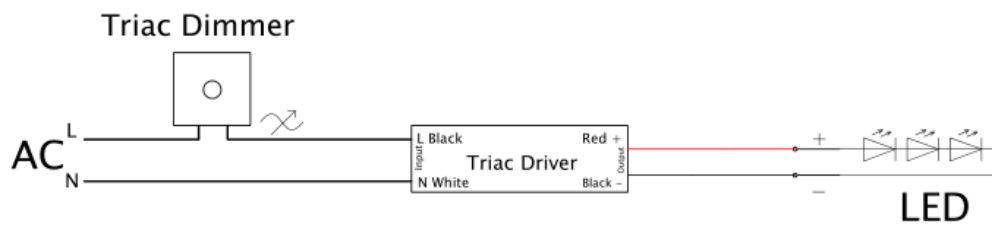
■Dimming Operation

※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.

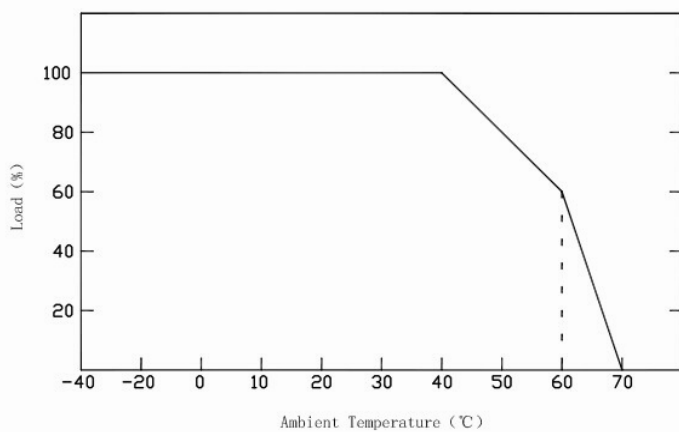
※Usually matching with leading edge and trial edge Triac Dimmers both;

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

■ Connecting Diagram



■ 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.