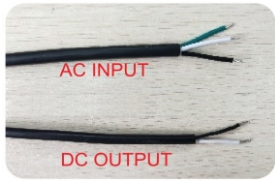


# 100W

## LED Triac dimmable Power Supply

1 of 3



+V(White)  
-V(Black)

### Features :

- Ip67 design for indoor or outdoor installations
- Protections: Short circuit / Overload/Over temperature
- Cooling by free air convection
- 100% full load burn-in test
- Optional dimming method: TRIAC dimmable
- Meet the standard of world lighting safety
- Suitable for LED lighting
- Products through CE, RoHS,UL Certification



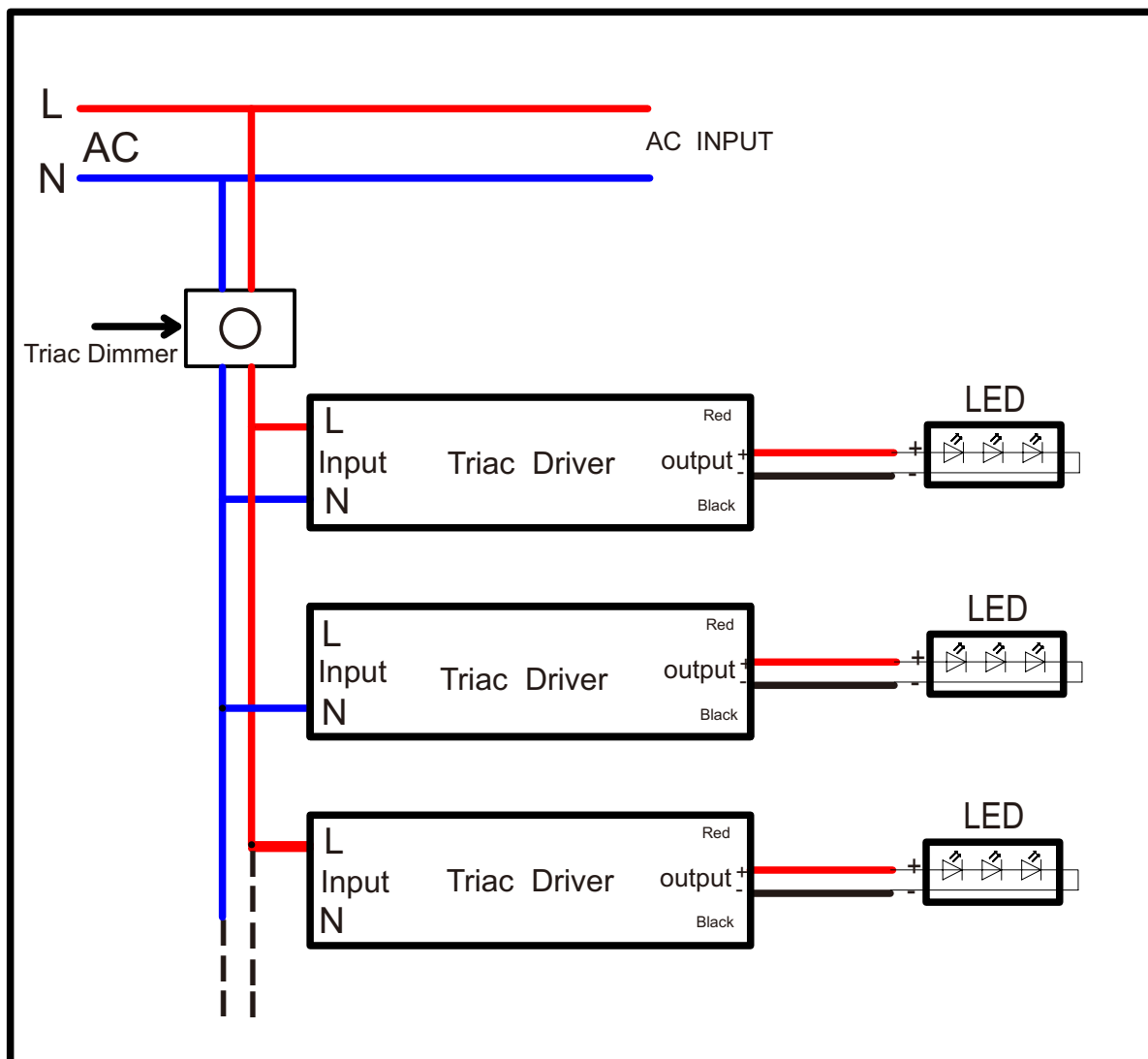
# IP67 CE RoHS

## SPECIFICATION

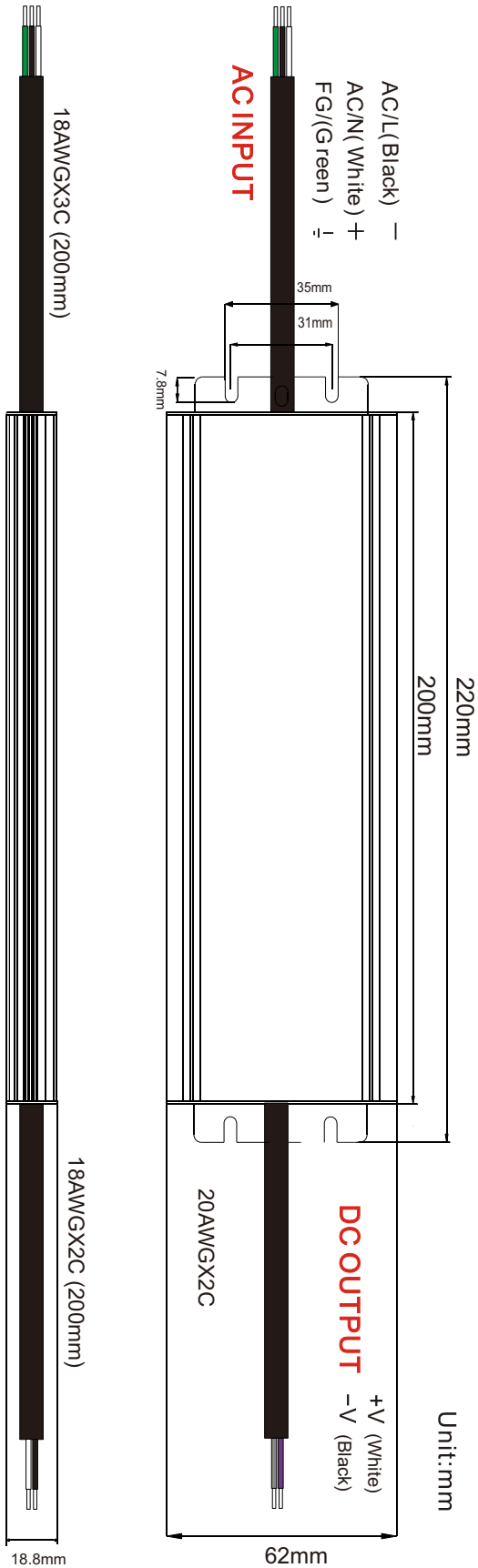
MODEL	YSD-12100-QTL	YSD-24100-QTL			
OUTPUT	DC VOLTAGE	12V	24V		
	RATED CURRENT	8.3A	4.2A		
	CURRENT RANGE	0~8.3A	0~4.2A		
	RATED POWER	100W	100W		
	RIPPLE & NOISE (max.) <sup>NOTE 2</sup>	200mV	250mV		
	VOLTAGE TOLERANCE <sup>NOTE 3</sup>	±2%	±1%		
	LINEAR REGULATION	±1%	±1%		
	LOAD REGULATION	±2%	±2%		
INPUT	VOLTAGE RANGE	170~250VAC			
	FREQUENCY RANGE	50 ~ 60Hz			
	POWER FACTOR (Typ.)	PF>0.6/220VAC			
	EFFICIENCY (Typ.)	88%	88%		
	AC CURRENT (Typ.)	1.4A/220VAC			
	INRUSH CURRENT (Typ.)	COLD START 100A/220VAC			
PROTECTION	Short circuit	Protection type : recovers automatically after fault condition is removed			
	Overload	overload protected @ 115-140% above peak rating			
	Over temperature	Protection type : Shut down o/p voltage, re-power on to recover			
ENVIRONMENT	WORKING TEMP.	-30 ~ +50°C (Refer to output load derating curve)			
	WORKING HUMIDITY	20 ~ 99% RH non-condensing(Waterproof)			
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C , 10 ~ 99% RH			
SAFETY & EMC	SAFETY STANDARDS	CE Mark (LVD) IP67			
	WITHSTAND VOLTAGE	I/P-O/P: 1.5KVAC I/P-GND:1.5KVAC			
	EMC Test Standards	EN55015:2013;EN61547:2009; EN61000-3-2:2014; EN61000-3-3:2013			
NOTE	1. All parameters NOT specially mentioned are measured at 220VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 10uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation.				

## Dimming instructions and connection diagram

- 1).Adjustable photoelectron driver; one dimmer can drive multiple power supplies ; and the numbers are decided by the dimmer maximum load capacity. the positive and negative of dimmer should be connected to positive and negative of the power supply's dimming. terminals ,Regulating the dimmer will produce a kind of 0-10V signal to power supply,then changing the luminous flux of the lamp.
- 2).regulationsDimming operationTandem triac dimmer before input terminals AC, then adjust the output constant current value



## Mechanical Specification



## Others

DIMENSION	220X63X18.8 (mm) (L×W×H)
CARTON QUANTITY	PCS/Carton
CARTON SIZE	
WEIGHT	

## Derating Curve

