INPUT
ACL (BROWN)
ACN (BLUE)
(GREEN / YELLOW)

LED Driver
MODEL:KS-200A-24
INPUT: 100-277V~, 2.47A, 50/60Hz, PF≥0.95
OUTPUT: 24V ⎓ 8.33A ,200W
Suitable for use In Dry,Damp and Wet Locations

Manufacturer:Shenzhen Keysun Technology Limited   MADE IN CHINA

IP67

OUTPUT
(RED) Vo +
(BLACK) Vo –

■ Features

- Constant Voltage mode output
- Metal housing design with functional Ground
- Built-in active PFC function
- IP67 / IP65 rating for indoor or outdoor installations
- Function options:
1. No dimmable ,
2. TRIAC Dimming
3. 4 in 1 dimmable (0-10V,1-10V,,PWM.resistance)
4. 5 in 1 dimmable (0-10V,1-10V,TRIAC,PWM.resistance)
- Typical lifetime>50000 hours
- 5 years warranty

■ Applications

- Wall Washer
- LED Strip Light
- LED Tube
- Underground Light
- AR111 Venture Light

■ Description

LD -200 Series is one 200W LED AC variable DC driver, with constant current output and constant voltage output design as the main characteristics. This series The model can work at input voltage 100~277 VAC, and provide a variety of output rated voltage between 12 V~48 V. With a maximum conversion efficiency of up to 93%, the fan-free design can work in the temperature range of-40℃~+50℃ under natural air cooling and heat dissipation.

Metal case and IP67/IP65 high protection grade design make LD -200 suitable for indoor or outdoor applications. LD -200 with a variety of functional options (such as dimming mode) to provide the best design flexibility for the lighting system.

■ Model Encoding

LD - 200 **A** - 12 **#**

- Dimming Mode： Blank（NO dimmable）. T（TRIAC DIMMING）. O（4 IN 1）. P（5 IN 1）
- Rated output voltage
- name :A .AW
- Output wattage
- Series name

Type	Function	Note
Blank	NO dimmable	standard
O	4 in 1 dimming function (0/1~10Vdc, 10V PWM signal and resistance)	standard
P	5 in 1 dimming function (0/1~10Vdc, 10V PWM signal, TRIAC and resistance)	standard
T	TRIAC DIMMABLE	standard

SPLENDOR industry

MODEL		LD-150□-12□ LD-180□-12□	LD-200□-24□	LD-200□-36□	LD-200□-48□
OUTPUT	Output Voltage	12V	24V	36V	48V
	Rated current	12.5A 15.0A	8.33A	5.55A	4.16A
	Rated power	150W，180W	200W	200W	200W
	Ripple & Noise (max.)	200mVp-p	250mVp-p	250mVp-p	250mVp-p
	Voltage accuracy	±2.0%	±2.0%	±2.0%	±2.0%
	Linear adjustment rate	±0.5%	±0.5%	±0.5%	±0.5%
	Load adjustment rate	±0.5%	±0.5%	±0.5%	±0.5%
	Start, rise time	500ms, 100ms/230VAC， 1000ms, 100ms/115VAC			
	Hold time	10ms/115VAC, 230VAC			
INPUT	Voltage range	100 ~ 277VAC			
	Frequency range	47 ~ 63Hz			
	Power factor	PF≥0 98/115VAC, PF≥0 95/230VAC , PF≥0.9/277VAC， Full load			
	Total harmonic distortion	THD< 20%（@ load ≧50%/115VC,230VAC；@ load ≧75%/277VAC)			
	Efficiency Vin: 115VAC	≧88%	≧90%	≧90%	≧90%
	Efficiency Vin: 230VAC	≧90%	≧92%	≧93%	≧93%
	AC current	2.0A / 115VAC 1.0A / 230VAC			
	Inrush current	Cold start 75A(twidth=350us measured at 50% Ipeak)/230Vac			
	Leakage current	< 1mA			
	No load/standby power consumption	< 1.0W			
Protection	Over current	95 ~ 110% Constant current limit, load abnormal condition can be removed after automatic recovery			
	Short circuit	Burp mode, load abnormal conditions can be removed after automatic recovery			
	Over voltage	13 ~ 16 V	26 ~ 32V	39 ~ 47V	52 ~ 63V
		Turn off the output voltage, restart and resume			
	Over temperature	Turn off the output voltage, restart and resume			
Environment	Working Temp	Tcase=-40 ~ +50℃			
	Max.Case Temp	Tcase=+90℃			
	Working Humidity	20 ~ 95% RH, non-condensing			
	Storage Temp.,Humidity	-40 ~ +90℃, 10 ~ 95% RH			
	Temp.Coefficient	±0.03%/℃ (0 ~60℃)			
	Vibration	10~500Hz,5G12min./1cycle,periodfor72min.eachalongX,Y,Zaxes			
SAFETY&EMC	Safety Standards	UL8750;IEC/EN 61347-1, IEC/EN/AS/NZS 61347-2-13 independent, EN62384			
	Withstand voltage	I/P-O/P:3.75KVAC I/P-FG:2.0KVAC			
	Isolationresistance	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25℃ / 70% RH			
	EMC EMISSION	Compliance to EN55015, EN61000-3-2 Class C (@ load≧50%) ; EN61000-3-3			
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11			
OTHERS	Dimension	234*68*41 mm (L*W*H)			
	Packing				
NOTE		1. Unless otherwise specified, all specifications and parameters shall be measured at the input of 230VAC, rated load and ambient temperature of 25℃. 2. Ripple and noise measurement method: A 12" twisted-pair line with 0.1uF and 47uF capacitors in parallel should be used for measurement under 20MHZ bandwidth. 3. Accuracy: includes setting error, linear adjustment rate and load adjustment rate. 4. The start time is measured under the starting of the cold machine. Frequent switching on and off may increase the start time. 5. No-load or standby power consumption is limited to 230VAC input. 6. The driver is regarded as a component used in combination with the terminal equipment. Since the EMC is affected by the whole device, the manufacturer of the terminal equipment needs to reconfirm the EMC of the whole device. 7. When the maximum temperature point Tc of the shell of this series of models is lower than 70℃, the service life is more than 50000 hours. 8. When the altitude exceeds 2,000 m (6,500 ft), the ambient temperature of the fan-less model decreases at a ratio of 35℃/ 1,000m, while that of the fan model decreases at a ratio of 5℃/ 1,000			

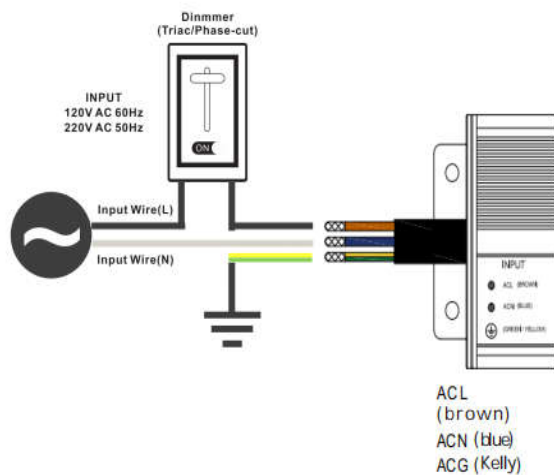■ BLOCK DIAGRAM

PFC fosc : 50~120KHz
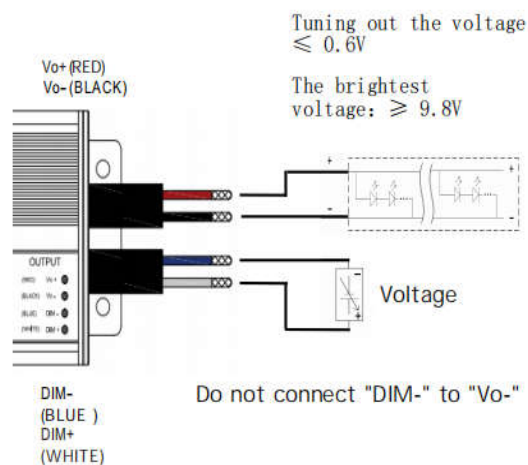**PWM fosc : 60~130KHz**
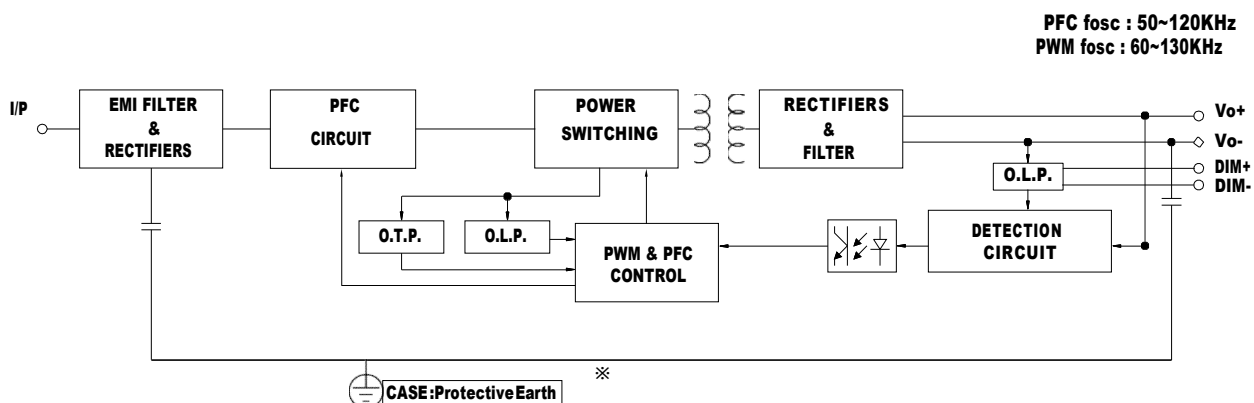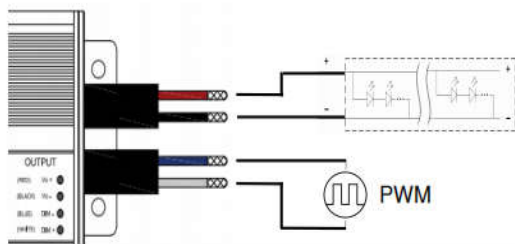

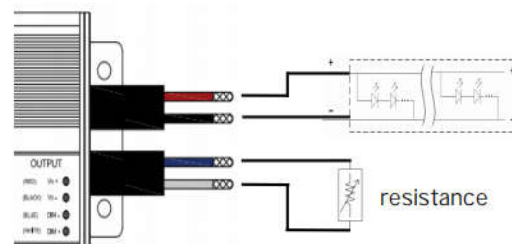■ dimming operation

◎ Input external TRIAC controlled dimmer

◎ Add O/1-1OVDC voltage, dimming port output current: 0.5mA(typical value))

◎ Added 10V PWM signal (frequency range: 100Hz, 3KHz)

◎ added the resistance: OR ~100K

■ Dimension