



## Magnetic Power Supply

Model: KGP-S-\*\*\*V\*\*N



Model	Rated Input Voltage	Input Current	Output Power Range	Output Voltage	Output Current	PF	Efficiency
KGP-S-100V48N	176-264VAC	≤0.6A	0-100W	48V	0-2.1A	≥0.95	≥90%
KGP-S-100V24N	176-264VAC	≤0.6A	0-100W	24V	0-4.2A	≥0.95	≥88%

\* Test result @230V, 50Hz, Full Load.@230V, 50Hz,

### 1. Parameters

Category	Item	Technical Norm
Features	Output Type	Constant Voltage
	Dimming Type	N/A
	IP Grade	IP20
	Insulation Class	Class II
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	176-264VAC
	Frequency	50/60Hz
	Input Current	≤0.6A (230VAC, full load)
	Power Factor	≥0.95 (230VAC, full load)
	Inrush Current	≤60A/220us (230VAC, Full-load)
	THD	≤15% 230VAC/50Hz,100%
Output	Voltage Accuracy	±5%
	Max. Output Power	100W
	Started Delay Time	≤0.5S (230VAC, full load)
	Voltage Ripple	±5%(U <sub>max</sub> -U <sub>min</sub> )/(U <sub>max</sub> +U <sub>min</sub> )
	Range of Output Current Adjustment	0-2.1A(48V)      0-4.2A(24V)
Protection	Short Circuit Protection	Auto Recovery
	Over current Protection	Auto Recovery
	Over-temperature Protection	Auto Recovery
Environment	Ta/Operation Temperature	-25...+45℃
	Ts/Storage Temperature	-40....+85℃
	Tc/Enclosure Temperature	75℃
	Humidity	5%....85%RH
Construction	Connection Method	Contact
	Installation	Independent

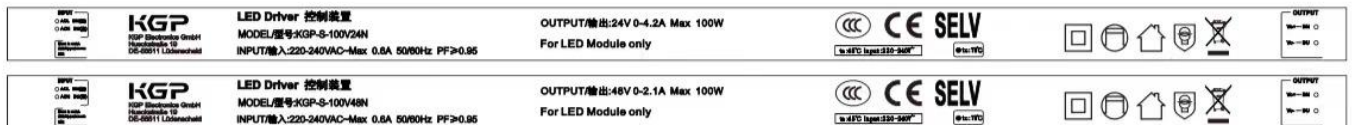


	Dimension	297×16×20mm (L*W*H)
Standards	Certification	
	Safety Standards	EN61347-1:2015 EN61347-2-13:2014/A1:2017 EN62493:2015 GB19510.1 GB19510.14
	EMC Standards	EN55015:2013/A1:2015 EN61000-3-2:2014 EN61000-3-3:2013 EN61547:2009 GB 17743 GB 17625.1
	Performance	EN62384
	Surge	L N/1.5KV
Others	RoHS	Complied to 2011/65/EU
	Life Time	50000h @Ta/Tc

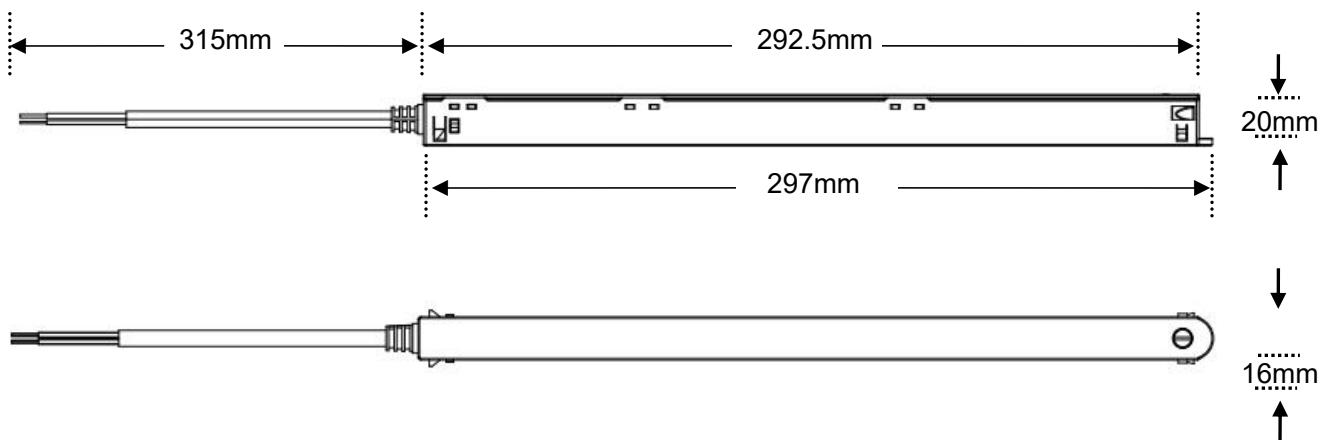
Remark

1. All Parameters, if not specified, are measured at 230VAC/50Hz and 25°C ambient temperature.
2. LED Driver is a component of the luminaires, Luminaires and wire layout will affect the EMC, please check the EMC with end products again.

## 2. Label



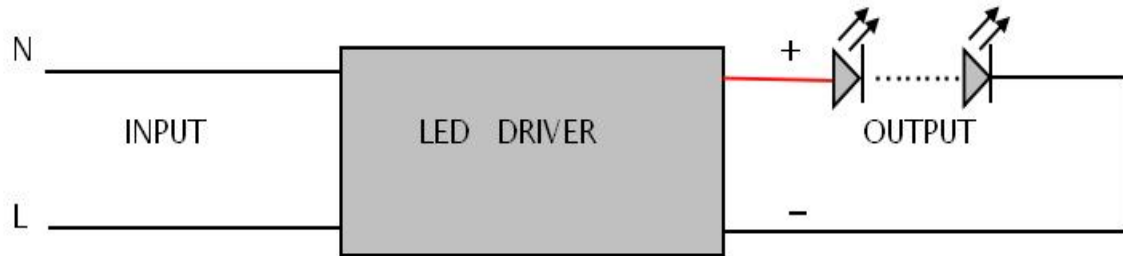
## 3. Dimension (Unit: mm)



#### 4.Packing information

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
447*240*200	30	0.156	4.68	6.4

#### 5.Wiring Diagram



#### 6.Wiring instructions

- All connections must be kept as short as possible to ensure good EMI behaviour
- Mains leads should be kept apart from LED Driver and other leads (ideally 5 – 10 cm distance)
- Advice the maximum length of output wires is 3 m
- Secondary switching is not permitted (Except for constant voltage)
- Incorrect wiring can damage LED modules.
- The wiring must be protected against short circuits to earth (sharp edged metals parts, metal cable clips, louver, etc.)