


Magnetic Power Supply 一体化磁吸专用电源
Model 型号: KGP-*V**N**


Model 型号	Rated Input Voltage 输入电压	Input Power 输入功率	Input Current 输入电流	PF 功率因数	Output Power Range 输出功率范围	Output Voltage 输出电压	Output Current 输出电流	Efficiency 效率
KGP-100V48N	220-240VAC	≤111W	≤0.6A	≥0.95	0-100W	48V	0-2.1A	≥90%
KGP-150V48N		≤166W	≤1A		0-150W		0-3.12A	
KGP-250V48N		≤275W	≤1.5A		0-250W		0-5.21A	
KGP-100V24N		≤111W	≤0.6A		0-100W	24V	0-4.2A	≥88%

* Test result @230V, 50Hz, Full Load. 所有测试参数基于@230V, 50Hz, 满载

1. Parameters 参数表

Categor 类别	Item 项目	Technical Norm 技术指标
Features 特性	Output Type 输出类型	Constant Voltage/恒压
	Dimming Type 调光类型	N/A
	Output Features 输出特性	Isolation 隔离
	IP Grade 等级	IP20
	Insulation Class 绝缘等级	Class II
Input 输入参数	Rated Input Voltage 额定输入电压	220-240VAC
	Range of Input Voltage 输入电压范围	176-264VAC
	Frequency 输入频率	50/60Hz
	Input Current 输入电流	KGP-100V48N: ≤0.6A KGP-100V24N: ≤0.6A KGP-150V48N: ≤1A KGP-250V48N: ≤1.5A (230VAC, full load /230VAC 满载)
	Input Power 输入功率	KGP-100V48N: ≤111W KGP-100V24N: ≤111W KGP-150V48N: ≤166W KGP-250V48N: ≤275W (230VAC, full load /230VAC 满载)
	Power Factor 功率因数	≥0.95 (230VAC, full load /230VAC 满载)
	THD 谐波	≤10% (230VAC, full load /230VAC 满载)
	No-load Power Consumption 空载功耗	≤0.5W @230VAC
	Inrush Current 涌入电流	≤80A/200us (230VAC, full load/230VAC 满载)
	Connected quantity of 16A Breaker 断路器电源连接数量	7pcs/type B ; 13pcs/type C @ 230Vac
Output 输出参数	Output Voltage 输出电压	48VDC+/-3% 24VDC+/-3%
	No Load Voltage 空载电压	49.5VDC Max. 25.5VDC Max.
	Output PWM Frequency 输出 PWM 频率	N/A



	Output Current 输出电流	100W:0-2.1A(48v)0-4.2A(24V)/150W:0-3.12A/250W:0-5.21A
	Max. Output Power 最大输出功率	100W/150W/250W
	Efficiency 效率	≥90% (48v) ≥88% (24v) (230VAC , full load /230VAC 满载)
	Voltage Ripple 纹波电压	<5% (Vmax-Vmin) / (Vmax+Vmin)
	Start up Time 启动时间	≤0.5S (230VAC, full load /230VAC 满载)
Control Method 控制方式	PWM dimming PWM 调光	N/A
	1-10V (0-10V) dimming 1-10V (0-10V)	N/A
	Resistance dimming 电阻调光	N/A
	Dimming range 调光范围	N/A
Protection 保护特性	Short Circuit Protection 短路保护	Auto Recovery /自动恢复
	Overload Protection 过载保护	Auto Recovery /自动恢复
	No-load Protection 空载保护	Auto Recovery /自动恢复
	Insulation voltage 绝缘电压	I/P to O/P, 3.0KVac/5mA/1min
	Insulation resistance 绝缘电阻	>100M ohm @ 500VDC
	Leakage current 漏电流	I/P to O/P < 250μA@230AC input
Environment 使用环境	Ta/Operation Temperature 工作温度	-25....+45℃
	Ts/Storage Temperature 储存温度	-40....+85℃
	Tc/Enclosure Temperature 外壳温度	90℃
	Humidity 湿度	10%....90%RH
	Atmosphere 大气压强	86-108KPa
Construction 安装	Connection Method 连接方式	触点式
	Installation 安装方式	Independent/独立式
	PRI Wire preparation 输入线径	0.75-1.5 ^{mm}
	SEC Wire preparation 输出线径	N/A
	Dimension 尺寸	268*22*44mm (L*W*H)
Standards 标准	Certification 证书	
	Safety Standards 安全标准	EN61347-1:2015,EN61347-2-13:2014/A1:2017,EN62493:2015, AS61347.2.13:2018,AS/NZS 61347.1:2016 Inc A1
	EMC Standards 电磁兼容标准	EN55015:2013/A1:2015,EN61000-3-2:2014,EN61000-3-3:2013,EN61547:2009
	Performance 性能标准	EN62384
	Surge 浪涌	L-N& L/N-PE:2KV
Others 其它	RoHS 环保	2011/65/EU
	Life Time 寿命	50000h @230VAC Full load(End of Life: Failure Rate<10%/@ 230VAC 满载 (使用寿命终止: 故障率<10%
	Warranty 质保	5years , F.R. < 10000ppm

Remark:

1.All Parameters, if not specified, are measured at 230VAC/50Hz and 25℃ ambient temperature.所有参数无特别说明, 均在输入电压 230VAC/50Hz 和 25℃ 的环境温度下测得。

2.LED Driver is a component of the luminaires, Luminaires and wire layout will affect the EMC, please check the

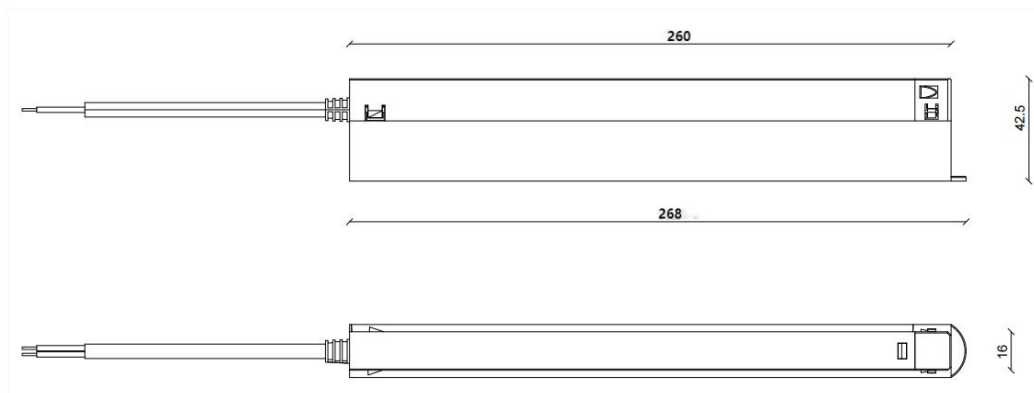


EMC with end products again. LED 电源作为整灯中的一个零部件与终端设备结合使用，因 EMC 性能受 LED 灯具以及走线的影响，终端设备制造商需对整套装置重新进行 EMC 确认。

2.Label (For example) 铭牌 (示例)

INPUT <input type="radio"/> ACL BN(®) <input type="radio"/> ACN BU(®) MADE IN CHINA www.kg-power.com QR:	KGP LED Driver 控制装置 KGP Electronics GmbH Hansstraße 19 DE-69011 Littenweiler MODEL/型号:KGP-100V24N INPUT/输入:220-240V~Max 0.8A 50/60Hz PF≥0.95	OUTPUT/输出:24V ∓ Max 0-4.2A For LED Module only	CCC CE SELV In: 50 V Input: 220-240V~ 1000°C	OUTPUT Vo+--- BN ○ Vo- --- BU ○
INPUT <input type="radio"/> ACL BN(®) <input type="radio"/> ACN BU(®) MADE IN CHINA www.kg-power.com QR:	KGP LED Driver 控制装置 KGP Electronics GmbH Hansstraße 19 DE-69011 Littenweiler MODEL/型号:KGP-100V48N INPUT/输入:220-240V~Max 0.8A 50/60Hz PF≥0.95	OUTPUT/输出:48V ∓ Max 0-2.1A For LED Module only	CCC CE SELV In: 50 V Input: 220-240V~ 1000°C	OUTPUT Vo+--- BN ○ Vo- --- BU ○
INPUT <input type="radio"/> ACL BN(®) <input type="radio"/> ACN BU(®) MADE IN CHINA www.kg-power.com QR:	KGP LED Driver 控制装置 KGP Electronics GmbH Hansstraße 19 DE-69011 Littenweiler MODEL/型号:KGP-150V48N INPUT/输入:220-240V~Max 1A 50/60Hz PF≥0.95	OUTPUT/输出:48V ∓ Max 0-3.12A For LED Module only	CCC CE SELV In: 50 V Input: 220-240V~ 1000°C	OUTPUT Vo+--- BN ○ Vo- --- BU ○
INPUT <input type="radio"/> ACL BN(®) <input type="radio"/> ACN BU(®) MADE IN CHINA www.kg-power.com QR:	KGP LED Driver 控制装置 KGP Electronics GmbH Hansstraße 19 DE-69011 Littenweiler MODEL/型号:KGP-250V48N INPUT/输入:220-240V~Max 1.5A 50/60Hz PF≥0.95	OUTPUT/输出:48V ∓ Max 0-5.21A For LED Module only	CCC CE SELV In: 50 V Input: 220-240V~ 1000°C	OUTPUT Vo+--- BN ○ Vo- --- BU ○

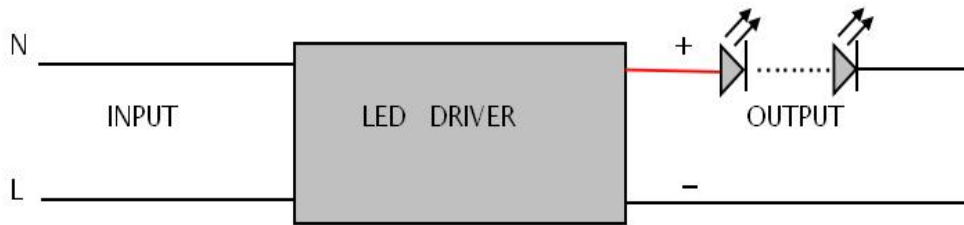
3.Dimension (Unit: mm) /尺寸 (Unit: mm)



4. Packing information/包装信息

Carton/纸箱尺寸 L*W*H(mm)	Pcs/Carton 数量/箱	Net weight/ Pcs(kg) 净重/个	Net weight/ Carton(kg)净重/箱	Gross weight / Carton(kg)毛重/箱
447*240*200	30	0.334	10	11.8

5.Wiring Diagram接线图



6.Wiring instructions 接线说明

- All connections must be kept as short as possible to ensure good EMI behaviour

所有的连接线尽可能的短，以保证良好的 EMI

- Mains leads should be kept apart from LED Driver and other leads (ideally 5 – 10 cm distance)

电源线应和驱动器以及其他连接线保持一定的距离（建议 5-10cm）

- Advice the maximum length of output wires is 3 m

建议输出线的最大长度不超过 3m

- Secondary switching is not permitted (Except for constant voltage)

不允许二次侧开关（恒压除外）

- Incorrect wiring can damage LED modules.

错误的布线会损坏 LED 模组

- The wiring must be protected against short circuits to earth (sharp edged metals parts, metal cable clips, louver, etc.)

防止线路电线对地短路。（尖锐的金属零件、金属电缆夹、百叶窗等）

