

Magnetic Power Supply 一体化磁吸专用电源

Model 型号: KGP-*V48N**



SELV



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)
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.





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	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 [□]
	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,EN 62493:2015, 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:		



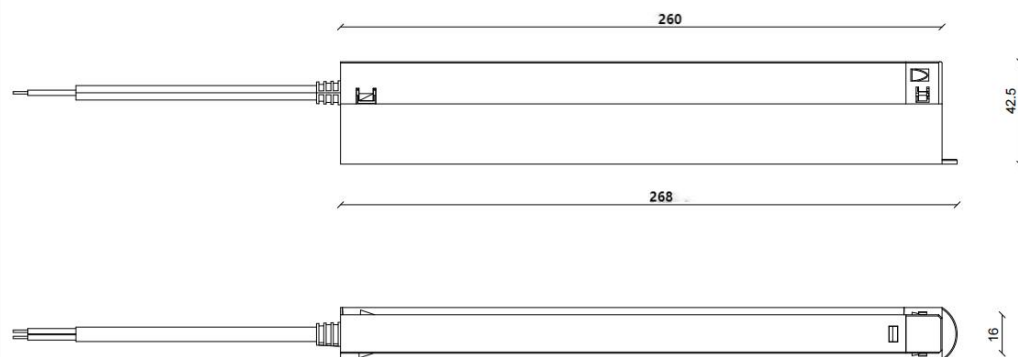
1.All Parameters, if not specified, are measured at 230VAC/50Hz and 25℃ ambient temperature.所有参数无特别说明, 均在输入电压 230VAC/50Hz 和 25℃ 的环境温度下测得。

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 ☐ AC/L BN(黑) ☐ AC/N BU(蓝) MADE IN CHINA www.kg-power.com GHI	KGP LED Driver 控制装置 KGP Electronics GmbH Humboldtstr. 19 DE-40891 Laberscheidt MODEL/型号:KGP-100V24N INPUT/输入:220-240V~Max 0.6A 50/60Hz PF≥0.95	OUTPUT/输出:24V ~ Max 0-4.2A For LED Module only		OUTPUT Vo+ --- BN ○ Vo- --- BU ○
INPUT ☐ AC/L BN(黑) ☐ AC/N BU(蓝) MADE IN CHINA www.kg-power.com GHI	KGP LED Driver 控制装置 KGP Electronics GmbH Humboldtstr. 19 DE-40891 Laberscheidt MODEL/型号:KGP-100V48N INPUT/输入:220-240V~Max 0.6A 50/60Hz PF≥0.95	OUTPUT/输出:48V ~ Max 0-2.1A For LED Module only		OUTPUT Vo+ --- BN ○ Vo- --- BU ○
INPUT ☐ AC/L BN(黑) ☐ AC/N BU(蓝) MADE IN CHINA www.kg-power.com GHI	KGP LED Driver 控制装置 KGP Electronics GmbH Humboldtstr. 19 DE-40891 Laberscheidt 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		OUTPUT Vo+ --- BN ○ Vo- --- BU ○
INPUT ☐ AC/L BN(黑) ☐ AC/N BU(蓝) MADE IN CHINA www.kg-power.com GHI	KGP LED Driver 控制装置 KGP Electronics GmbH Humboldtstr. 19 DE-40891 Laberscheidt 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		OUTPUT Vo+ --- BN ○ Vo- --- BU ○

3.Dimension (Unit: mm) /尺寸 (Unit: mm)

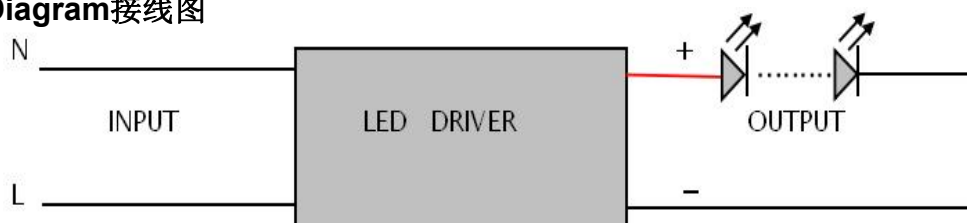


4. Packing information/包装信息

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）

