



科谷电源

Power the world · power the future

驱动世界 · 驱动未来



Constant Voltage Driver 恒压电源

Model 型号:KEP-100VxxN



SELV

| Model 型号 | Rated Input Voltage 输入电压 | Input Current 输入电流 | Output Power Range 输出功率范围 | Output Voltage 输出电压 | Output Current 输出电流 | PF 功率因数 | Efficiency 效率 |
|-------------|--------------------------|--------------------|---------------------------|---------------------|---------------------|---------|---------------|
| KEP-100V12N | 220-240VAC | ≤0.6A | 100W | 12V | 0-8.33A | ≥0.95 | 89% |
| KEP-100V24N | 220-240VAC | ≤0.6A | 100W | 24V | 0-4.16A | ≥0.95 | 90% |
| KEP-100V36N | 220-240VAC | ≤0.6A | 100W | 36V | 0-2.77A | ≥0.95 | 91% |
| KEP-100V48N | 220-240VAC | ≤0.6A | 100W | 48V | 0-2.08A | ≥0.95 | 91% |

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

1. Parameters 参数表

| category 类别 | Item 项目 | Technical Norm 技术指标 |
|------------------|----------------------------------|---|
| Features 特性 | Output Type 输出类型 | Constant Voltage 恒压 |
| | IP Grade 等级 | IP67 |
| | Insulation Class 绝缘等级 | Class I |
| 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 | ≤0.6A (230VAC, full load) |
| | Power Factor 功率因素 | ≥0.95 (230VAC, full load) |
| | Inrush Current 涌入电流 | ≤60A/450us (230VAC, Full-load) |
| | THD 谐波 | ≤10% 230VAC,50-60Hz,100%负载 ≤20% 220-240VAC,50-60Hz,80-100%负载 |
| Output 输出参数 | Voltage Accuracy 电压精度 | ±3% |
| | Max. Output Power 最大输出功率 | 100W |
| | Started Delay Time 启动延时 | ≤1S (230VAC, full load) |
| | Voltage Ripple 纹波电压 | ±5%(Imax-Imin)/(Imax+Imin) |
| Protection 保护特性 | Short Circuit Protection 短路保护 | Auto Recovery |
| | Over current Protection 过流保护 | Auto Recovery |
| | Over-temperature Protection 过温保护 | Auto Recovery |
| | Over Voltage Protection 过压保护 | The output voltage will be limited within the specified range/输出电压会限制在规定范围内 |
| Environment 使用环境 | Ta/Operation Temperature 工作温度 | -40...+50℃ |
| | Ts/Storage Temperature 储存温度 | -40....+85℃ |

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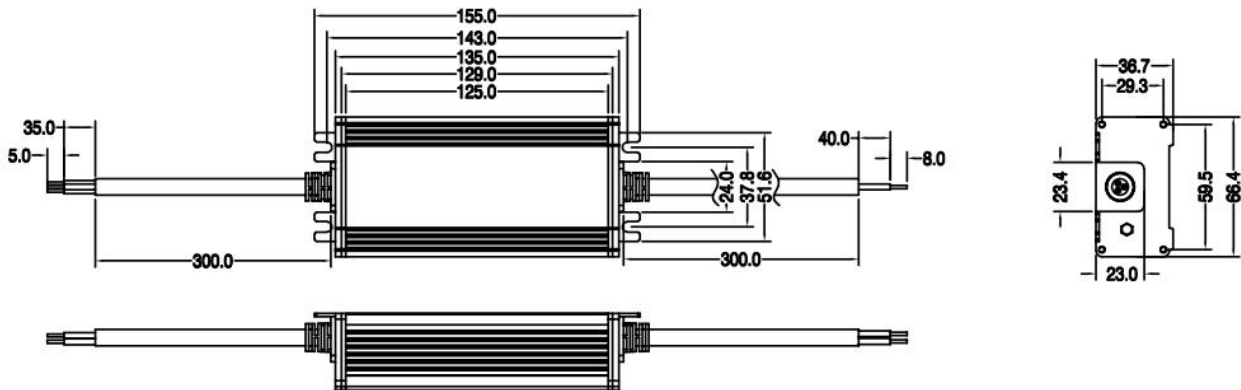


KEGU V1.1



| | | |
|--|-------------------------------|--|
| | Tc/Enclosure Temperature 外壳温度 | 90℃ |
| | Humidity 湿度 | 10%...90%RH |
| Construction 安装 | Connection Method 连接方式 | Push-in Terminal |
| | Installation 安装方式 | Independent |
| | PRI Wire preparation 输入线径 | 3*1.0mm ² Φ7.2mm L:棕色 N:蓝色 PE:黄绿色 |
| | SEC Wire preparation 输出线径 | 2*1mm ² Φ7.2mm L:棕色 N:蓝色 |
| | Dimension 尺寸 | 155×66.4×36.7mm(L*W*H) |
| Standards 标准 | Certification 证书 | CE |
| | Safety Standards 安全标准 | GB 19510.14-2009; EN61347-2-13:2014 EN61347-1:2008+A1:2011+A2013 |
| | EMC Standards 电磁兼容标准 | EN55015:2013+A1:2015 |
| | Performance 性能标准 | EN62384 |
| | Surge 浪涌 | L/N-PE/4KV L-N/6KV |
| Others 其它 | RoHS 环保 | Complied to 2011/65/EU |
| | Life Time 寿命 | 50000h @Ta 75℃ |
| Remark/备注 | | |
| <p>1. 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。All Parameters, if not specified, are measured at 230VAC/50Hz and 25℃ ambient temperature.</p> <p>2. 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。LED Driver is a component of the luminaires, Luminaires and wire layout will affect the EMC, please check the EMC with end products again.</p> | | |

2.Dimension尺寸 (Unit: mm)



3. Label 铭牌

INPUT

- ACL BN(棕)
- ACN BU(蓝)
- GN/YR(绿/黄)

MADE IN CHINA
www.kg-power.com
S/N:

LED Driver
MODEL/型号:KEP-100V12N

INPUT/输入:220-240V~Max 0.6A 50/60Hz PF:0.95

OUTPUT/输出:12V 0-8.33A 100W

Suitable for Dry, Damp and Wet Locations. $t_a:50^{\circ}\text{C}$ Input:220-240V~

For LED Module only

OUTPUT

- Vo+---BN(棕)
- Vo---BU(蓝)

CE SELV IP67

INPUT

- ACL BN(棕)
- ACN BU(蓝)
- GN/YR(绿/黄)

MADE IN CHINA
www.kg-power.com
S/N:

LED Driver
MODEL/型号:KEP-100V24N

INPUT/输入:220-240V~Max 0.6A 50/60Hz PF:0.95

OUTPUT/输出:24V 0-4.16A 100W

Suitable for Dry, Damp and Wet Locations. $t_a:50^{\circ}\text{C}$ Input:220-240V~

For LED Module only

OUTPUT

- Vo+---BN(棕)
- Vo---BU(蓝)

CE SELV IP67

INPUT

- ACL BN(棕)
- ACN BU(蓝)
- GN/YR(绿/黄)

MADE IN CHINA
www.kg-power.com
S/N:

LED Driver
MODEL/型号:KEP-100V36N

INPUT/输入:220-240V~Max 0.6A 50/60Hz PF:0.95

OUTPUT/输出:36V 0-2.77A 100W

Suitable for Dry, Damp and Wet Locations. $t_a:50^{\circ}\text{C}$ Input:220-240V~

For LED Module only

OUTPUT

- Vo+---BN(棕)
- Vo---BU(蓝)

CE SELV IP67

INPUT

- ACL BN(棕)
- ACN BU(蓝)
- GN/YR(绿/黄)

MADE IN CHINA
www.kg-power.com
S/N:

LED Driver
MODEL/型号:KEP-100V48N

INPUT/输入:220-240V~Max 0.6A 50/60Hz PF:0.95

OUTPUT/输出:48V 0-2.08A 100W

Suitable for Dry, Damp and Wet Locations. $t_a:50^{\circ}\text{C}$ Input:220-240V~

For LED Module only

OUTPUT

- Vo+---BN(棕)
- Vo---BU(蓝)

CE SELV IP67

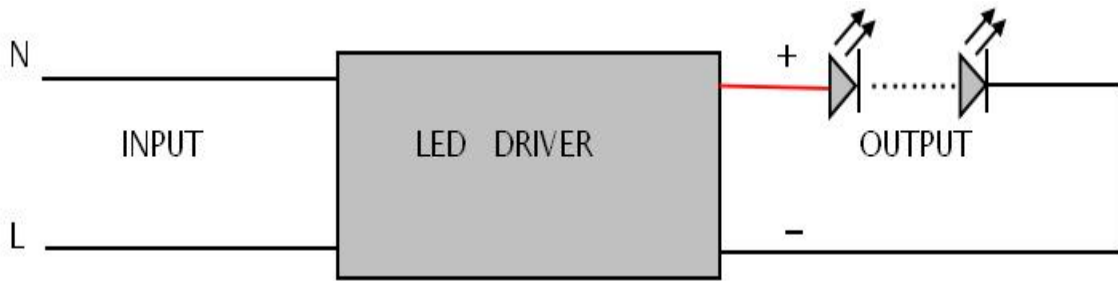
4. Packing information 装箱信息

| Carton L*W*H(mm) 纸箱尺寸 | 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 |
|-----------------------------|--------------------|-----------------------------|-------------------------------|----------------------------------|
| | | | | |





5、Wiring Diagram 接线图



5. 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）

