

PEE100-1W12V (107200910101)

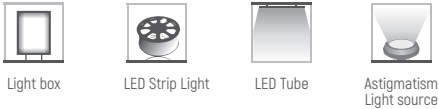
Product Feature

- Width voltage input,full power output
- Insolated PC design
- Isolated design,safe and reliable
- Protections:Over load,Short circuit,over voltage
- Comply with UL/FCC CE/SELV
- Protection grades is as high as IP67
- 2 years warranty



RoHS SELV IP67 CE

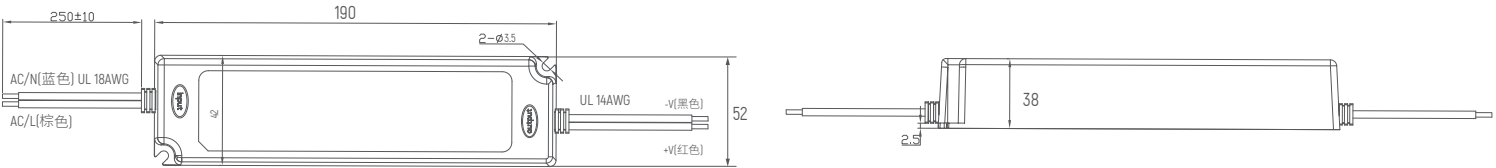
Application



Technical Parameters

| Model | PEE100-1W12V | |
|--------------|-------------------------|--|
| Input | Efficiency | >86%@230VAC, Full load |
| | Voltage | 120VAC-277VAC |
| | Frequency | 50/60Hz |
| | Power Factor | ≥0.5@230VAC, full load |
| | Current | 1.98Amax@120VAC |
| | Standby Power | <0.5W |
| | Inrush Current | Cold start 50A@230VAC |
| Output | Current/Voltage/Power | 8.34A/12VDC/100W |
| | Ripple Current | 90mVp-p |
| | Channel | 1 |
| | Voltage Tolerance | ±2% |
| | Turn On Delay Time | <2s, at 230Vac |
| Protection | Short Circuit | Auto recovery when failure is removed |
| | Over Voltage | <18VDC Shut down the output, After restart recovers automatically. |
| | Over Current | <10.05A auto recovery when failure is removed |
| Safety & EMC | Lightning Surge | L-N:2kV |
| | Withstand Voltage | I/P-O/P:3000VAC/1min/5mA |
| | Safety Standards | UL8750(type"HL"),CSA C22.2 No.250.13-12 TUV EN61347-1, EAC TC004,UL60950-1,TUV EN60350-1, EN61347-2-13,J61347-1, J613447-2-13 GB19510.1,GB19510.14 |
| | EMC | EN55032[CISPR32]ClassB,EN61000-3-2 ClassA EN6100-3-3,EAC TP TC020 |
| | EMC Immunity | EN61000-4-2,3,4,5,6,8,11 EN55024,EAC TP TC 020 |
| Others | Working Temp. | -25°C~50°C |
| | Storage Temp.; Humidity | -40°C~85°C, 20~90%RH |
| | Tc | 90°C |
| | Material | PC |
| | IP Rating | IP67 |
| | Lifetime | 17,280h@tc:75°C |
| | Warranty Condition | 2 years |
| | Switch Cycle | >100,000 times |
| | Packing Size | Net weight: 635g±5%/PCS; 20PCS/Carton; 13.5kg±5%/Carton; Carton Size: 333*218*205mm[L*W*H] |
| | Dimension | 190*52*38mm[L*W*H] |

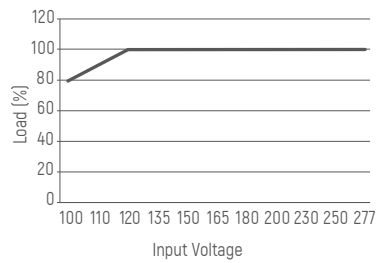
Dimension(mm)



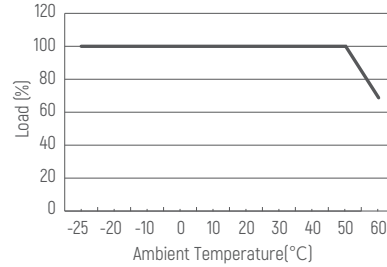
Wiring Diagram



Input Derating Curve



Derating Curve



Cautions

- 1 This product should cut off the input voltage and installed by a professional.
- 2 Make sure that the output voltage and current of the power supply must meet the specifications of the lamp before installation.
- 3 It is waterproof IP67, do not soak in water for a long time when using.
- 4 The driver should be installed in a well space and environment.
- 5 The sectional area of the conductor wire which connect to the driver and lamp should be enough (Recommended less than 4A/mm²).
- 6 Make sure all connections are correct and secure before powering up.
- 7 If break down during use, it must be repaired by a professional or contact the supplier.

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产品特点

- 宽电压输入，足功率输出
- 绝缘塑胶外壳设计
- 采用隔离式设计，安全可靠
- 具有、过载、短路、过压等保护功能
- 符合UL/FCC/CE/SELV认证
- 防护等级达IP67
- 2年质保



RoHS SELV IP67 CE

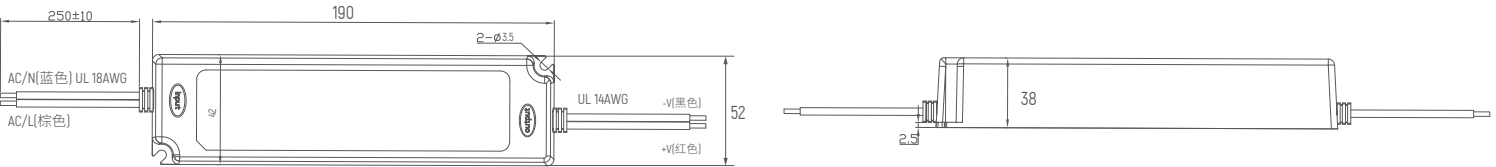
应用



技术参数

| | | |
|---------|--------------|--|
| 型号 | PEE100-1W12V | |
| 输入 | 效率 | >86%@230VAC, 满载 |
| | 电压 | 120VAC-277VAC |
| | 频率 | 50/60Hz |
| | 功率因数 | ≥0.5@230VAC, 满载 |
| | 电流 | 1.98Amax@120VAC |
| | 待机功耗 | <0.5W |
| | 浪涌电流 | 冷启动 50A@230VAC |
| 输出 | 电流/电压/功率 | 8.34A/12VDC/100W |
| | 波纹电流 | 90mVp-p |
| | 通道 | 1 |
| | 电压公差 | ±2% |
| | 启动延时 | <2s, at 230Vac |
| 保护 | 短路 | 故障排除后自动恢复 |
| | 过压 | <18VDC 关闭输出，重启后恢复 |
| | 过流 | <10.05A故障排除自动恢复 |
| 安全与电磁兼容 | 雷涌 | L-N:2kV |
| | 耐受电压 | I/P-O/P:3000VAC/1min/5mA |
| | 安全标准 | UL8750(type" HL"),CSA C22.2 No.250.13-12 TUV EN61347-1, EAC TC004,UL60950-1,TUV EN60350-1 EN61347-2-13,J61347-1,J613447-2-13 GB19510.1,GB19510.14 |
| | 电磁兼容 | EN55032[CISPR32]ClassB,EN61000-3-2 ClassA EN6100-3-3,EAC TP TC020 |
| 其它 | EMC抗扰度 | EN61000-4-2,3,4,5,6,8,11 EN55024,EAC TP TC 020 |
| | 工作温度 | -25°C~50°C |
| | 储存温度、湿度 | -40°C~85°C, 20-90%RH |
| | Tc | 90°C |
| | 材质 | PC |
| | 防水等级 | IP67 |
| | 寿命 | 17,280h@tc:75°C |
| | 质保 | 2年 |
| | 开关周期 | >100,000次 |
| | 包装重量 | 净重: 635g±5%/个; 20个/箱; 13.5kg±5%/箱; 外箱尺寸: 338*218*205mm[长*宽*高] |
| | 产品尺寸 | 190*52*38mm[长*宽*高] |

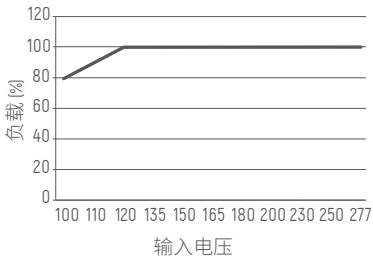
产品尺寸(mm)



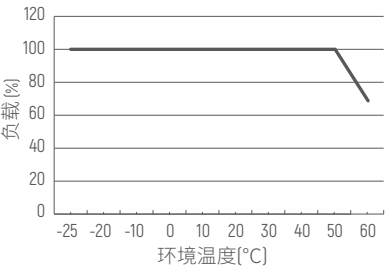
应用接线图



输入降额曲线



降额曲线



注意事项

- 1. 本电源应切断输入电压并由专业人员进行安装调试
- 2. 安全前须确认电源输出的电压电流符合灯具的规格要求
- 3. 本电源防水等级为IP67，不可浸泡在水中工作
- 4. 电源应安装在良好散热的空间与环境
- 5. 用于连接电源及灯具的导线面积应足够(建议小于4A/MM²)
- 6. 通电前，须确认所有连接正确且牢固
- 7. 使用过程中如发生故障，须由专业人员维修或联络供应商

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