



60W Single Output Power Supply KHT Series

60W 单路输出电源供应器 KHT 系列 Rev.: 1.0

Features 主要特性

- Semi-gable (半灌胶)
- Aluminium Casing (铝外壳)
- Ultra-low start up temp.超低温启动 (-30°C)
- Ultra-light and easy to install 易安装
- High efficiency up to 90%高效率
- High reliability 高可靠性
- Wide input Voltage宽电压 180 ~ 264Vac



电气规格

| ITEM 项目 | FUNCTION 特性参数 | KHT-60W12V | KHT-60W24V |
|-----------------------------------|-------------------------------|-------------------|--------------|
| Output Characteristics 输出特性 | DC Output Voltage 输出电压 | | 24V |
| | Output Current 输出电流 | | 2.5A max |
| | Rated Power 额定功率 | | 60W |
| | Ripple & Noise 纹波和噪声 | | • 小于200mVp-p |
| | Output Voltage range输出电压范围 | | 22.8 ~ 25.2V |
| | Output Voltage Tolerance 电压精度 | | ±3% |
| | Line Regulation 电源调整率 | | 1% |
| | Load Regulation 负载调整率 | | 2% |
| Setup and Rise Time 开机及爬升时间 | | 1.5S, 20mS@230Vac | |
| Input | Typical Input Voltage 典型输入电压 | 200 ~ 240Vac 50Hz | |

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| Characteristics | | |
| 输入特性 | Maximum Input Voltage Range 最大输入电压范围 | 180 ~ 264Vac 50Hz |
| | Typical Efficiency 典型效率 | 85% |
| | Maximum Input Current 最大输入电流 | Max 3.5A @ 230Vac; |
| | Inrush Current 浪涌电流 | Less than 50A/230Vac, cold start 冷启动, 小于50A |
| | Leakage Current 漏电流 | <0.75mA/240Vac |
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| Protection | Overload Protection 过载保护 | 110% ~ 150% of rated load. 过载保护范围为额定输出功率的 110 ~ 150% |
| Characteristics | Short Circuit Protection 短路保护 | Protection Type : Hiccup mode, Auto-recovery 保护模式: 打嗝模式, 异常条件移除后自动恢复 |
| Signal | DC OK Signal 输出指示 | LED light to indicate PSU turn on LED 亮灯指示电源输出正常 |
| Ambient | Ambient Temperature 工作环境温度 | -30 ~ 60°C (Reference To Derating Curve) -30 ~ 60°C (参考降额曲线) |
| | Working Humidity 工作湿度 | 20 ~ 90% RH non-condensing 无冷凝 |
| | Storage Temp. and Humidity 存储温湿度 | -30 ~ 70°C, 10 ~ 95% RH 无冷凝 |
| | Withstand Vibration 耐振动参数 | 10 ~ 500Hz, 5G 10min./cycle, 60min.each along X, Y, Z axis 10 ~ 500Hz, 5G 10 分钟/周期, X、Y、Z 各 60 分钟 |
| Safety | Withstand Voltage 耐压测试 | Input-FG: 1500Vac Input-Output: 1500Vac Output-FG: 500Vac |
| | Isolation Resistance 绝缘测试 | Input-FG: > 100M Ohm 500Vdc @ 25°C & 70RH |

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|-----------------------------|--------------------------|---|
| | | Input-Output: > 100M Ohm 500Vdc @ 25°C& 70RH Output-FG: > 100M Ohm 500Vdc @ 25°C& 70RH |
| Packing 包装 | Unit Weight 电源单重 | 0.171Kg/PCS |
| | Unit Dimension 电源尺寸 | L321 ×W36 ×H21mm |
| | Packing And Weight 包装及重量 | 56PCS/BOX |
| | Packing Box Dimension | L 340 ×W 190 ×H 167mm |

Note: This is top view, the screw should be M3, the length fixed into PSU must less than 3.5mm, or it should cause the PSU damage even cause the danger.

以下为顶视图, 固定螺丝为 M3, 伸入电源的部分需小于 3.5mm, 否则可能导致电源损坏或引起危险。

Assembly
Diagram and
Terminal
Definition
安装尺寸及端子
定义



注: 上盖长度110.5mm

