



150W Single Output Power Supply KHT Series

150W 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-150W12V	KHT-150W24V
Output Characteristics 输出特性	DC Output Voltage 输出电压		24V
	Output Current 输出电流		6.25A max
	Rated Power 额定功率		150W
	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	

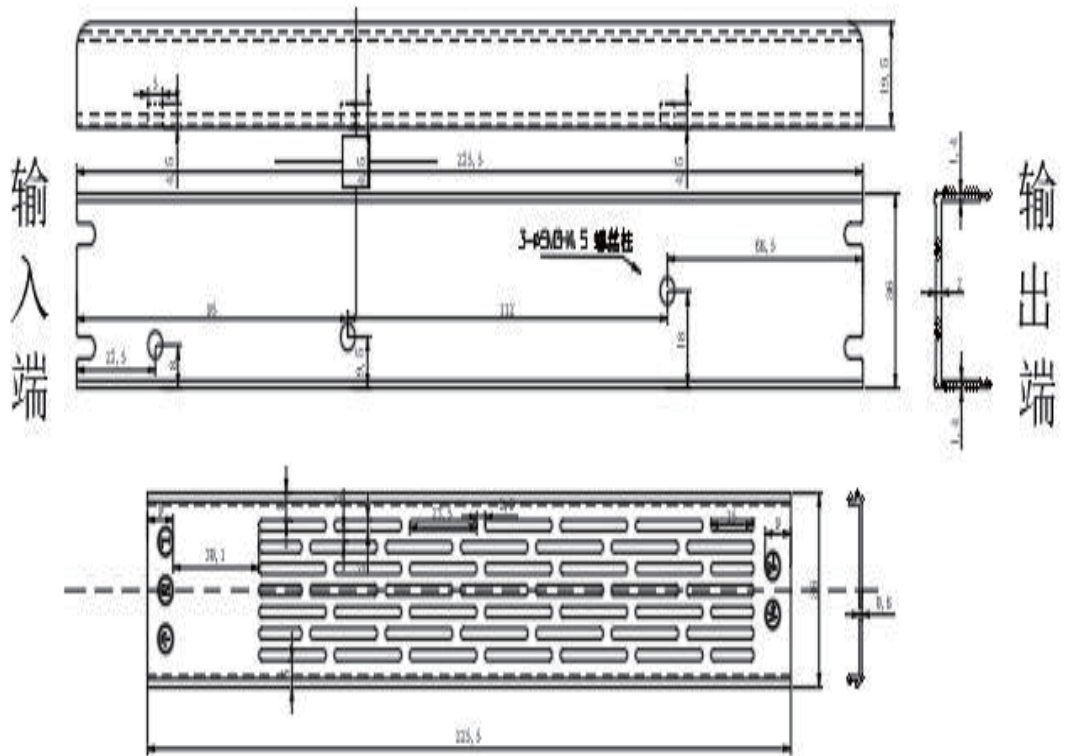
Characteristics		
输入特性	Maximum Input Voltage Range 最大输入电压范围	180 ~ 264Vac 50Hz
	Typical Efficiency 典型效率	88%
	Maximum Input Current 最大输入电流	Max 3.5A @ 230Vac;
	Inrush Current 浪涌电流	Less than 50A/230Vac, cold start 冷启动, 小于50A
	Leakage Current 漏电流	<0.75mA/240Vac
Protection	Overload Protection 过载保护	110% ~ 150% of rated load. 过载保护范围为额定输出功率的 110 ~ 150%
	Characteristics	
保护特性	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		
指示信号	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
	安全	Isolation Resistance 绝缘测试

		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	0.31Kg/PCS
	Unit Dimension 电源尺寸	L275 ×W36 ×H21mm
	Packing And Weight 包装及重量	40PCS/BOX
	Packing Box Dimension	L 265 ×W 288 ×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



KHT-150W