



100W Single Output Power Supply KHT Series

100W 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-100W12V	KHT-100W24V
Output Characteristics 输出特性	DC Output Voltage 输出电压		24V
	Output Current 输出电流		4.16A max
	Rated Power 额定功率		100W
	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	86%
	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

