



300W Single Output Power Supply KHT Series

300W 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-300W12V	KHT-300W24V
Output Characteristics 输出特性	DC Output Voltage 输出电压		24V
	Output Current 输出电流		12.5A max
	Rated Power 额定功率		300W
	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	

<b>Characteristics</b>		
<b>输入特性</b>	Maximum Input Voltage Range 最大输入电压范围	180 ~ 264Vac 50Hz
	Typical Efficiency 典型效率	93%
	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
<b>Protection</b>	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%
	<b>Characteristics</b>	
<b>保护特性</b>	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
<b>Signal</b>		
<b>指示信号</b>	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
<b>Ambient</b>	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
<b>Safety</b>	Withstand Voltage 耐压测试	Input-FG: 1500Vac Input-Output: 1500Vac Output-FG: 500Vac
	<b>安全</b>	Isolation Resistance 绝缘测试

		Input-Output: > 100M Ohm 500Vdc @ 25°C& 70RH Output-FG: > 100M Ohm 500Vdc @ 25°C& 70RH
<b>Packing</b>  <b>包装</b>	Unit Weight 电源单重	0.381Kg/PCS
	Unit Dimension 电源尺寸	L321 ×W36 ×H21mm
	Packing And Weight 包装及重量	40PCS/BOX
	Packing Box Dimension	L 265 ×W 335 ×H 167mm
<b>Assembly</b> <b>Diagram and</b> <b>Terminal</b> <b>Definition</b>  <b>安装尺寸及端子</b>  <b>定义</b>	<p>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.</p> <p>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。</p>	
	<p>The diagram shows the top and side views of the KHT-300W power supply unit. The top view includes dimensions for the input terminal (输入端) and output terminal (输出端). A note specifies that the screw used for mounting should be M3 and its length inserted into the PSU must be less than 3.5mm. The model number KHT-300W is indicated at the bottom of the drawing.</p>	