



CNAS L3503

# 检 验 报 告

产品名称 DUM23-48 / 50(200)E 嵌入式电源系统产品型号 DUM23-48 / 50(200)E受检单位 武汉普天电源有限公司检验类型 委托试验

深圳市安博技术服务有限公司



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**Anbotek Compliance Laboratory Limited**

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# 深圳市安博技术服务有限公司

## 测试报告

报告编号 .....: 201302693S

客户 .....: 武汉普天电源有限公司

客户地址 .....: 中国湖北省武汉市东湖高新技术开发区大学园路 20 号

制造厂商 .....: 武汉普天电源有限公司

制造商地址 ...: 中国湖北省武汉市东湖高新技术开发区大学园路 20 号

实验室地址...: 深圳市前海路深能源工业小区一栋一楼

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报告编写

审 核

批 准

职 位

:   
:   
:   
: 授权签字



样品接收日期 : 2013-1-28

样品测试日期 : 2013-1-29 至 2013-2-20

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委托检验的样品及申请商对样品的说明如下:

样品名称 : 嵌入式电源  
型号 : DUM23-48 / 50 (200) E  
输入参数 : AC220V  
输出参数 : 输出电压: DC 48V/50A, 最大电流: 200A  
样品数量 : 1台  
样品编号 : 系统: U230008011  
          高效整流模块: M140008001,  
          高效整流模块: M140008002  
          普效整流模块: M140008003  
          普效整流模块: M140008004  
          普效整流模块: M140008005  
          普效整流模块: M140008006  
商标 : Potevio  
制造商 : 武汉普天电源有限公司  
检测依据 : 武汉普天电源有限公司《检验委托书》第13-PT0001号  
          GB 4943-2011 信息技术设备的安全  
检测结论 : 武汉普天电源有限公司委托检验的 DUM23-48/50 (200) E 嵌入式电源系统, 采用高效模块和普效模块混插, 具备休眠功能, 可实现系统节能, 具体数据见检验结果。

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**测试设备清单:**

名称	型号	制造厂商	编号	校准有效期
数字万用表	FLUKE 45	FLUKE	SE-046	2013.10.16
感应调压器	TDGC2-5	Querli	SE-087	2013.9.27
电能质量分析仪	3196	HIOKI	SE-288	2013.10.16
钳形表	318	FLUKE	SE-296	2013.10.16
数字功率计	PF9811	杭州远方	SE-080	2013.09.27

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一个高效模块: M140008001, 普效整流模块: M140008003  
 普效整流模块: M140008004, 普效整流模块: M140008005

序号	检验项目	测试要求	检验结果
1	系统效率 (系统输入电压为额定值, 输出为额定值)	输出电流为额定值的 15%	96.10%
2		输出电流为额定值的 20%	95.30%
4		输出电流为额定值的 25%	94.60%
5		输出电流为额定值的 30%	94.07%
6		输出电流为额定值的 35%	93.77%
7		输出电流为额定值的 40%	93.67%
8		输出电流为额定值的 45%	93.37%
1		系统损耗降低率 (4个全是普通模块, 同样启动节能功能, 普通效率模块 92%以上)	输出电流为 15%的损耗降低率
2	输出电流为 20%的损耗降低率		43.05%
3	输出电流为 25%的损耗降低率		24.04%
4	输出电流为 30%的损耗降低率		27.11%
5	输出电流为 35%的损耗降低率		23.28%
6	输出电流为 40%的损耗降低率		21.97%
7	输出电流为 45%的损耗降低率		18.12%

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高效整流模块: M140008001, 高效整流模块: M140008002  
普效整流模块: M140008003, 普效整流模块: M140008004

序号	检验项目	测试要求	检验结果
1	系统效率 (系统输入电压为额定值, 输出为额定值) 系统稳压精度	输出电流为额定值的 15%	96.10%
2		输出电流为额定值的 20%	95.30%
4		输出电流为额定值的 25%	96.10%
5		输出电流为额定值的 30%	96.10%
6		输出电流为额定值的 35%	95.30%
7		输出电流为额定值的 40%	95.30%
8		输出电流为额定值的 45%	94.70%
1		系统损耗降低率 (4个全是普通模块, 同样启动节能功能, 普通效率模块 92%以上)	输出电流为 15%的损耗降低率
2	输出电流为 20%的损耗降低率		43.05%
3	输出电流为 25%的损耗降低率		46.00%
4	输出电流为 30%的损耗降低率		53.08%
5	输出电流为 35%的损耗降低率		43.05%
6	输出电流为 40%的损耗降低率		43.05%
7	输出电流为 45%的损耗降低率		35.46%

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普效整流模块: M140008003, 普效整流模块: M140008004  
普效整流模块: M140008005, 普效整流模块: M140008006

序号	检验项目	测试要求	检验结果
1	系统效率(4个全是普通模块, 同样启动节能功能, 普通效率模块 92%以上)	输出电流为 15%的效率	92.05%
2		输出电流为 20%的效率	92.03%
3		输出电流为 25%的效率	93.01%
4		输出电流为 30%的效率	92.04%
5		输出电流为 35%的效率	92.03%
6		输出电流为 40%的效率	92.03%
7		输出电流为 45%的效率	92.02%

**检验说明:**

- 1、本检验由高效与普效模块混插的系统与全部是普效模块组成的系统效率与功耗比较;
- 2、系统损耗降低率=(A-B)/A\*100%

其中 A : 普效模块组成的系统节能后输入与输出功率的差值;

B: 普效与高效模块混插组成的系统节能后输入与输出功率差值;

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