



## PRODUCT SPECIFICATION

### 产 品 规 格 书

客 户:

CUSTOMER: ALL

产品描述:

CUSTOMER SPEC: Input:100~240V AC 50/60Hz      Output: 12~15W

机种型号:

OUR MODEL NO:

HW03-1000E12      HW03-200E15      HW03-250E15      HW03-300E15

HW03-350E15      HW03-400E15      HW03-450E15      HW03-500E15

HW03-550E15      HW03-600E15      HW03-650E15      HW03-700E15

样品编号:

日期:

PRODUCT NO:

DATE: 2014.10.10

产品颜色:

PRODUCT COLOR:

White



Black



|                      |                                |               |          |
|----------------------|--------------------------------|---------------|----------|
| Customer Approved by | Anway Electric(huizhou)Co.,Ltd |               |          |
| 客户核准/Approved By     | 核准/Approved By                 | 审核/Checked By | 业务/Sales |
|                      |                                |               |          |

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## 1、描述 (SCOPE) :

本规格书对应12-15W开关电源的功能要求。

The purpose of the document is to specify the functional requirements of a 12-15W switching power supply.

## Electrical performance电性能参数

## 2、输入特性 (INPUT CHARACTERISTICS) :

### 2.1 输入电压 (Input Voltage) :

额定电压 (Nominal Voltage) : 100~240Vac

### 2.2 输入频率 (Input Frequency) :

额定频率 (Nominal Frequency) : 50/60Hz.

调整频率 (Variation Frequency) 50/60Hz  $\pm$  10%

### 2.3 输入电流(Input Current):

当输入交流电压为额定值的下限电压空载时, 最大输入交流电流0.01A.

The max current is 0.01A when 230VDC idle load input

当输入交流电压为额定值的下限电压负载满载时, 最大输入交流电流0.22A.

The max current is 0.22A when 230VDC full load input.

### 2.4 满载功率因数 (Full load power factor) >0.5

## 3.输出特性 (OUTPUT CHARACTERISTICS) :

### 3.1 输出功率 (Power output) :

| 型号:<br>MODEL: | 输出电压:<br>Output<br>Voltage | 最大负载<br>Max. Load | 功率因数<br>PF | 空载功率<br>No-load power<br>W | 效率 Eff |
|---------------|----------------------------|-------------------|------------|----------------------------|--------|
| HW03-1000E12  | 6-10.5V Max12.5V           | 1000 mA $\pm$ 5%  | >0.5       | <0.5W                      | >78%   |
| HW03-200E15   | 45-75V Max80V              | 200 mA $\pm$ 5%   | >0.5       | <0.5W                      | >80%   |
| HW03-250E15   | 40-60V Max 68V             | 250 mA $\pm$ 5%   | >0.5       | <0.5W                      | >80%   |
| HW03-300E15   | 30-50V Max 55V             | 300 mA $\pm$ 5%   | >0.5       | <0.5W                      | >80%   |
| HW03-350E15   | 22-42V Max 45V             | 350 mA $\pm$ 5%   | >0.5       | <0.5W                      | >80%   |
| HW03-400E15   | 20-38V Max 45V             | 400 mA $\pm$ 5%   | >0.5       | <0.5W                      | >80%   |
| HW03-450E15   | 18-33V Max40 V             | 450 mA $\pm$ 5%   | >0.5       | <0.5W                      | >80%   |
| HW03-500E15   | 15-30V Max34 V             | 500mA $\pm$ 5%    | >0.5       | <0.5W                      | >80%   |
| HW03-550E15   | 12-27V Max 32V             | 550 mA $\pm$ 5%   | >0.5       | <0.5W                      | >80%   |
| HW03-600E15   | 11-25V Max 30V             | 600 mA $\pm$ 5%   | >0.5       | <0.5W                      | >80%   |
| HW03-650E15   | 10-23V Max26 V             | 650 mA $\pm$ 5%   | >0.5       | <0.5W                      | >80%   |
| HW03-700E15   | 9-21V Max 25V              | 700 mA $\pm$ 5%   | >0.5       | <0.5W                      | >80%   |

### 3.2启动延迟时间/Turn on delay time:

当输入220Vac和输出最大负载时,最大启动时间为1S

The max starting time is 1Sec at max load in 220Vac

### 3.3 效率/ Efficiency

当输入100Vac和输出最大负载时, 最小75% $\pm$ 5%

The Minimum Efficiency is 75% when 100Vac input with Max load output.

当输入240Vac 和输出最大负载时,最小78% $\pm$ 5%

The Minimum Efficiency is 78% when 240Vac input with Max load output.

## 4. 保护功能/PROTECTION FUNCTION:

### 4.1 短路电路保护/Short circuit protection:

该电源供给器在短路解除时能恢复正常工作.

The power supply will be auto recovered when short circuit faults remove.

### 4.2 过流保护 (Over current Protection) :过流故障排除后, 电源将自动恢复正常工作。

The power supply will be auto recovered when over current faults remove.

#### 4.3 过压保护 (Over Voltage Protection)

当输出电压超过额定电压的130%~150%时, 电源将保护, 故障排除后能恢复正常工作.

The power supply will protect itself when output voltage over 130%~150% than rated voltage and will auto recovered when faults remove.

#### 4.4 过温保护 (Over Temperature Protection)

当IC温度超过额定温度时, 电源将保护, 切断IC供电, 直到故障排除后能恢复正常工作.

When the temperature of the IC exceeds the rated temperature, the power supply will protect, and cut off the power of IC, and will auto recovered when faults remove.

### 5. 环境要求(ENVIRONMENTAL REQUIREMENTS):

#### 5.1 工作温度(Operating Temperature):

-20℃~50℃, 满载, 正常工作(Full load, Normal operation).

-20℃ to 50℃, Full load, Normal operation.

#### 5.2 储藏温度(Storage Temperature):-40℃ to 85℃ 带外壳 (With Enclosure)

#### 5.3 工作湿度 (Operating Humidity) :

5% (-20℃) ~90% (50℃), 72小时, 满载, 正常工作.

5%(-20℃)~90%(50℃)RH, 72Hrs, Full load, Normal operating.

#### 3. 轴向振动(Axes, 10 cycles per axis).

在测试过程中不能出现永久性的损坏.

No permanent damage may occur during testing.

在电源开启和关闭后, 样机能够恢复到最初条件.

The product will restore to its original situation after power off / on.

#### 5.5 跌落试验(Dropping)(Packed):

一个角, 三个棱, 六个面.

1 corner, 3 edges, and 6 surfaces

高度80cm / Height: 80cm.

### 6. 安全及EMI要求 / SAFETY AND EMI REQUIREMENT:

#### 6.1 安全 / Safety:, 符合CE GS 标准 Safety can fulfill the standard of CE and GS

#### 6.2 高压(DIELECTRIC STRENGTH)(Hi-Pot):

初级对次级(Primary to secondary), 3.75KVAC/min

初级对盖子(Primary to Case), 3.75KVAC/min

#### 6.3 EMI标准 (EMI STANDARD)

Meets the Limits of(测试符合).EN55015 CLASS C

### 7. 结构参数(MECHANICAL REQUIREMENT):

#### 7.1 外壳(Enclosure):

外壳尺寸: 137\*42.5\*27.5mm

The power supply size:

#### 7.2 输入线 (Input Connector) :

2 Pin VDE 插脚 (Two pin input plug of VDE)

### 8. 产品图片: product picture

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