

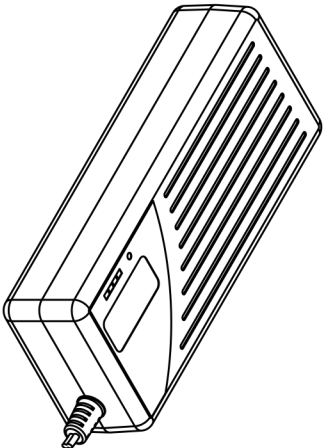
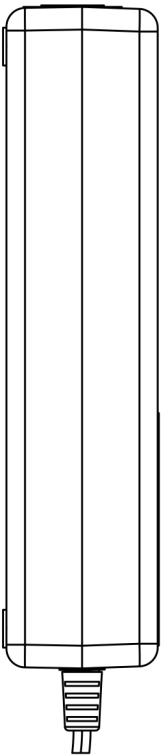
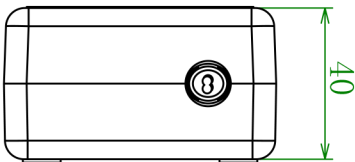
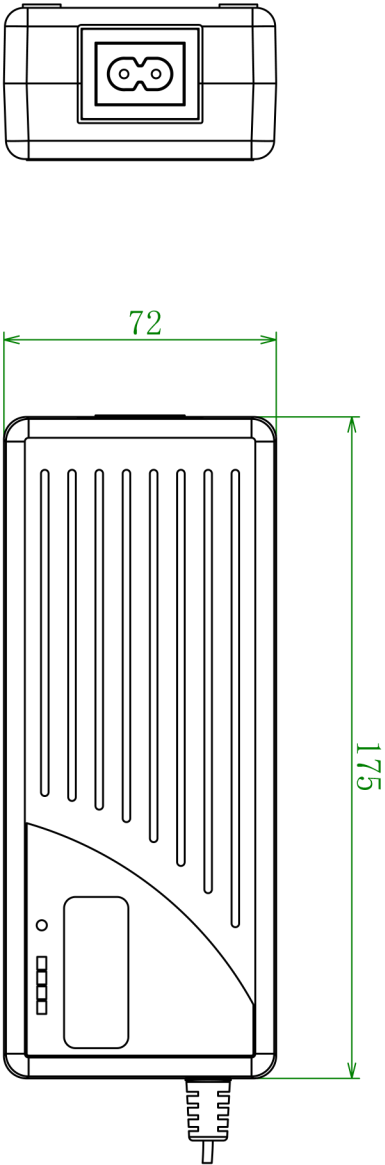


## G100-12A (13.8V 5.0A) Pb-Acid Battery Charger

| 项目 Item                       | 规格 Specification          | 备注 Remark                     |
|-------------------------------|---------------------------|-------------------------------|
| <b>1.输入特性 Input</b>           |                           |                               |
| 额定输入电压 Rating input voltage   | 100~240Vac 50/60Hz        |                               |
| 输入电压范围 Input voltage range    | 90~264Vac                 |                               |
| 额定输入电流 Rating input current   | 1.5Arms                   | Input:100V Output:Full load   |
| 最大输入功率 Max input power        | 100W                      | Input:100V Output:Full load   |
| <b>2.输出特性 Output</b>          |                           |                               |
| 空载输出电压 No load output voltage | DC 2.75V                  | 检测电池电压需大于3.2V开始充电             |
| 输出电压范围 Output voltage range   | DC10.0~14.7V              |                               |
| 适用电池 Suit with battery type   | 12V Pb-Acid battery       |                               |
| 恒定电流 Charging current         | 5.0A $\pm 10\%$           |                               |
| 恒定电压 Charging voltage         | DC14.7V $\pm 0.3V$        | 当电池硫化时, 电压升至18V修复电池           |
| 浮充电压 Floating charge voltage  | DC13.2-13.8V              |                               |
| 充电结束电流 Charge-end current     | $\leq 0.8A \pm 0.2A$      |                               |
| 定时器 Timer                     | 5小时                       |                               |
| 最大输出功率 Max output power       | 73.5W                     |                               |
| 纹波电压 Ripple voltage           | $\leq 150mV$              | 满载 Full load                  |
| 电源指示灯 Power LED               | 红色 Red                    | 接通电源 Power on                 |
| 电量指示灯 Charging LED            | 不亮 All off                | 未接电池 No battery               |
|                               | 全亮 All on                 | 充电完成 Full charge              |
|                               | 全闪 All flash              | 故障 Error                      |
|                               | 轮流亮 Flashing one by one   | 充电中 Charging                  |
| 输出短路保护 Shorted                | 有 Yes                     |                               |
| 输出反接保护 Reversed               | 有 Yes                     |                               |
| 效率 Efficiency                 | $\geq 83\%$               | 满载 Full load @220V            |
| <b>3.环境要求 Environment</b>     |                           |                               |
| 工作温度 Operate temperature      | -10 ~ +40°C               |                               |
| 工作湿度 Operate humidity         | < +90%                    | 相对湿度 Relative humidity        |
| 存储温度 Storage temperature      | -40 ~ +70°C               |                               |
| 存储湿度 Storage humidity         | 0 ~ +95%                  | 相对湿度 Relative humidity        |
| 冷却方式 Cooling                  | 自然冷却 Natural              |                               |
| 抗振动 Vibration resistance      | 5MM/50HZ/600S             | 非运行状况 Non-operating condition |
| 抗冲击 Impact resistance         | 1 meter drop test 3 times | 非运行状况 Non-operating condition |
| <b>4.结构 Mechanical</b>        |                           |                               |
| 重量 Weight                     | 400g                      |                               |
| 尺寸 Size                       | 175X72X40MM               | 外壳尺寸 Casing only              |
| 接线端子 Connector                | 按客户要求制定 Refer to order    |                               |
| <b>5.安全特性 Safety</b>          |                           |                               |
| 最大温升 Max. temperature rise    | < 40°C on casing          |                               |
| 安全认证 Safety approval          | CE/cTUVus/CCC/PSE         |                               |
| 平均无故障时间 MTBF                  | 30000H                    |                               |
| 静电等级 ESD                      | 8.0KV                     |                               |
| 隔离耐电压 Hi-Pot Insulation       | i/p to o/p: 3000V (1 min) |                               |

| TOLERANCE FOR METAL |           |
|---------------------|-----------|
| A                   |           |
| DIVISION DIMENSION  | TOLERANCE |
| -10                 | ±0.08     |
| 10-30               | ±0.11     |
| 30-50               | ±0.13     |
| 50-80               | ±0.15     |
| 80-120              | ±0.18     |
| 120-180             | ±0.20     |
| 180-250             | ±0.25     |
| 250-400             | ±0.30     |

| 1            | 2 | 3   | 4    | 5           | 6 | 7           | 8 | 9           | 10 |
|--------------|---|-----|------|-------------|---|-------------|---|-------------|----|
| CUSTOMER REV |   | REV | ZONE | DESCRIPTION |   | CHA BY/DATE |   | APP BY/DATE |    |



|                     |                   |               |             |
|---------------------|-------------------|---------------|-------------|
| 深圳市谷润数字电源有限公司       |                   |               |             |
| TITLE:              |                   | MATT:         |             |
| MODEL: G100W-XXXXXX |                   | WEIGHT:       |             |
| DES BY:             | CAD FILE:         | UNIT : mm     | TEXTURE NO. |
| CHECK BY:           | COLOR:            | Paper Size:A4 | SCALE:      |
| APP BY:             | FINISH/TREATMENT: |               | DATE:       |