



### 应用范围 Application range

应用各种负载:空调、电钻、日光灯、气体灯等家电设备,通信设备、保温空调、冷藏设备、测量仪器、通信设备、白炽灯、冰箱、空调、电脑、打印机、气泵、水泵、电磁炉、微波炉马达、电动工具,车辆救援,抢险救灾,数码摄像机、数码相机、 电池充电及GPS卫星导航等。

Apply to variety of load: household appliance, like air condition, electric drill, fluorescent lamp, gas lamp, etc. Communications equipments, refrigerated storage equipment, measurement instrument, filament lamp, refrigerator, laptop, printer, air pump, water pump, electromagnetic oven, microwave oven, juicer, electric drill, motor, electric tool, vehicle rescue, disaster relief, digital video camera, digital camera, battery charger and GPS satellite navigation, etc.

### 产品特点 Products Feature:

- 1、使用先进的双CPU单片机智能控制技术,具有高可靠性、低故障率的特点;
- 2、采用进口元器件制造,先进的电路设计,使得逆变器的转换效率高,带负载能力,应用范围广;
- 3、完善强大的故障保护报警功能(欠压保护、过压保护、过载锁死保护、过温保护、防反接保护、短路保护) 蓄电池过放报警保护功能,安全防震功能;
- 4、体积小、重量轻,内部采用CPU集中控制、贴片技术,使得体积非常小、重量轻;
- 5、散热风机智能控制,采用CPU控制散热风机的工作状态,大大延长风机的使用寿命,并且节约电能、提高工作效率;
- 6、工作噪音小,效率高;
- 7、本产品体积小,重量轻,高效率,无污染,低噪音。使用铝合金外壳,表面喷砂阳极氧化处理,硬度高,外形美观;
- 8、产品使用优质双面板,设计简约精良,工艺一流,8年的设计寿命;元器件全新进口原装,确保品质,并且提供产品三年质保。

- 1、 Perfect performance controlled by advanced CPU.
- 2、 High quality components and advanced electric line design ensure high efficiency, load capability and wide application range.
- 3、 Protection functions(low/over voltage protection, over temperature protection, over load protection, short circuit protection, reverse polarity protection) 、 battery over discharge alarm protection and shockproof.
- 4、 CPU control and chip technology, make small cubic and light weight.
- 5、 Intelligent fan controlled by CPU, have long life, energy-saving and high efficiency.
- 6、 Low noise and high efficiency
- 7、 Small cubic, light weight, high efficiency, no pollution, low noise. aluminium alloy shell with anodic oxidation, high hardness, pretty appearance.
- 8、 High quality dual plates, perfect design, advanced technology.



### 技术参数 Technical parameters

|   |   |                  |              |                                     |                 |              |
|---|---|------------------|--------------|-------------------------------------|-----------------|--------------|
| 机器型号<br>Model                             | GK-DZ-300W                                  |                  |              |                                     |                 |              |
| 输出功率<br>Output power                      | 300W  |                  |              |                                     |                 |              |
| 峰值功率<br>Peak power                        | 600W  |                  |              |                                     |                 |              |
| 输入电压<br>Input voltage                     | DC12V                                       | DC24V            | DC48V        | DC12V                               | DC24V           | DC48V        |
| 输出电压<br>Output voltage                    | 100VAC or 110VAC or 120VAC $\pm$ 5%         |                  |              | 220VAC or 230VAC or 240VAC $\pm$ 5% |                 |              |
| 空载电流(小于)<br>No-load current ( less-than ) | 0.5A  | 0.3A             | 0.1A         | 0.5A                                | 0.3A            | 0.1A         |
| 输出频率<br>Output frequency                  | 50HZ $\pm$ 0.5HZ or 60HZ $\pm$ 0.5HZ        |                  |              |                                     |                 |              |
| 输出波形<br>Output wave                       | 纯正弦波 Pure sine wave                         |                  |              |                                     |                 |              |
| 波形失真<br>Waveform Distortion               | THD < 3%(线性负载 linear load)                  |                  |              |                                     |                 |              |
| USB                                       | 5V 1000MA                                   |                  |              |                                     |                 |              |
| 最大工作效率<br>Max. working efficiency         | 94.80%                                      |                  |              |                                     |                 |              |
| 输入电压范围<br>Input voltage range             | 9.55-15.5V                                  | 19.8-30.27V      | 40.2-60.4V   | 9.55-15.5V                          | 19.8-30.27V     | 40.2-60.4V   |
| 工作温度<br>Operating temperature range       | - 10 $^{\circ}$ - +50 $^{\circ}$            |                  |              |                                     |                 |              |
| 储存温度<br>Storage temperature               | - 30 $^{\circ}$ - +70 $^{\circ}$            |                  |              |                                     |                 |              |
| 湿度<br>Humidity                            | 最大 90%, 不结露 Max. 90%, non-condensing        |                  |              |                                     |                 |              |
| 质保<br>Warranty                            | 二年 Two years                                |                  |              |                                     |                 |              |
| 产品尺寸<br>Dimensions(W*H*D)                 | 205*110*58mm                                |                  |              |                                     |                 |              |
| 包装尺寸<br>Package size                      | 212*140*95mm                                |                  |              |                                     |                 |              |
| 净重/毛重<br>Net weight/Gross weight          | 0.9/1.0kg                                   |                  |              |                                     |                 |              |
| 启动<br>Starting                            | 双极软启动 Bipolar soft start                    |                  |              |                                     |                 |              |
| 欠压报警<br>Low voltage alarm                 | 10.5 $\pm$ 0.5V                             | 21V $\pm$ 0.5V   | 42V $\pm$ 1V | 10.5 $\pm$ 0.5V                     | 21V $\pm$ 0.5V  | 42V $\pm$ 1V |
| 欠压保护<br>Low voltage shut down             | 9.5 $\pm$ 0.5V                              | 20V $\pm$ 0.5V   | 40V $\pm$ 1V | 9.5 $\pm$ 0.5V                      | 20V $\pm$ 0.5V  | 40V $\pm$ 1V |
| 欠压恢复<br>Low voltage recovery              | 13 $\pm$ 0.5V                               | 24V $\pm$ 0.5V   | 48V $\pm$ 1V | 13 $\pm$ 0.5V                       | 24V $\pm$ 0.5V  | 48V $\pm$ 1V |
| 高压报警保护<br>Over voltage shut down          | 15.5 $\pm$ 0.5V                             | 31V $\pm$ 0.5V   | 61V $\pm$ 1V | 15.5 $\pm$ 0.5V                     | 31V $\pm$ 0.5V  | 61V $\pm$ 1V |
| 高压恢复<br>Over voltage recovery             | 14.8 $\pm$ 0.5V                             | 29.5V $\pm$ 0.5V | 59V $\pm$ 1V | 14.8 $\pm$ 0.5V                     | 29.5 $\pm$ 0.5V | 59V $\pm$ 1V |
| LED指示灯<br>LED Lights                      | 蓝色指示灯亮(逆变输出,正常工作);红色指示灯闪烁(欠/过压、过载、高温、短路)    |                  |              |                                     |                 |              |
| 保护功能<br>Protection                        | 电池过欠/过压、过载、高温、交流短路保护(正反接保护)                 |                  |              |                                     |                 |              |
| 保险丝<br>Fuse                               | 直流短路保护                                      |                  |              |                                     |                 |              |
| 显示<br>Display                             | DC short circuit protection                 |                  |              |                                     |                 |              |
| 电路拓扑<br>Circuit Topology                  | LED高清数显                                     |                  |              |                                     |                 |              |
| 冷却方式<br>Cooling way                       | LED high-definition digital display         |                  |              |                                     |                 |              |
|   | 高频链   |                  |              |                                     |                 |              |
|   | 智能风冷、内置散热块                                  |                  |              |                                     |                 |              |
|   | Intelligent cooling, built-in cooling block |                  |              |                                     |                 |              |