

## Gama-Tron GM1000



- Micro Processor Control
- User Selectable For Accepting Wider Input Voltage
- Full Automatic And Silent Operation
- Automatic Line-To-Battery Switch Over
- Intelligent Automatic Charging Technology
- Rack And Tower Design
- Automatic Charge While AC Recovery (Off Model Charging)
- High Efficient DC-To-AC Conversion, Minimizing Energy Loss
- Over Load, Short Circuit Protection
- Low Battery Protection
- Cool Start
- Isolated Output
- Selectable Charge Current (OPTIONAL)
- Compatibility With Generators
- Multi-Function LED&LCD Display Design And Buzzer Alarms
- Application For Fan, Light ,TV And Office Appliances Feature
- Modified Sine Wave Inverter/Charger System
- The Desirable Long Backup Power Solution For Home And Office Appliances

### **GM1000 SERIES TECHNICAL PARAMETER**

| MODEL SPECIFICATION           | GM1000  |
|-------------------------------|---|
| Input Voltage (VDC)           | 12VDC   |
| Input DC Range (VDC)          | 10~15VDC  |
| Input AC Range (VAC)          | 220/230/240VAC<br>177 - 280VAC (Narrow Range) or 90 - 280VAC (Wide Range) |
| Input Frequency (Hz)          | 50/60Hz   |
| Bypass Output Voltage (VAC)   | Same As Input AC  |
| Bypass Output Frequency (Hz)  | Same As Input Frequency   |
| Charge Current (A)            | 10A ± 2A or 10A and 20A Selectable  |
| Charge Floating Voltage (VDC) | 13.75 ± 0.2VDC  |
| Over Charge Voltage (VDC)     | 15.0V ± 0.4V Charge Stop  |
| AC Efficiency                 | > 97%   |
| Transfer Time (ms)            | Typical 15ms  |
| Capacity (VA)                 | 1000  |
| Output Power (W)              | 600   |
| Output Voltage (VAC)          | 220VAC  |
| Output Frequency (Hz)         | 50/60Hz   |
| Output Current (A)            | 4.5/2.7   |
| Voltage Precision (VAC)       | 220VAC ± 10%  |
| Frequency Precision (Hz)      | 50/60Hz ± 0.1Hz   |
| Wave                          | Modify Sine Wave  |
| Power Factor (PF)             | 0.6   |
| Inversion Efficiency          | > 85%   |
| Bypass Transfer Time (ms)     | <= 8ms  |
| Over Load Capacity            | Over Load 110%, 60s Later Shut Off  |
| Protection                    | Over load / short circuit protection / over charge / discharge Protection |
| Noise (dB)                    | <=40dB (1 Meter)  |
| Temperature                   | -20°C ~ 45°C Degree   |
| Humidity                      | 0~95% (No Condensation)   |
| Sea Level (m)                 | <= 1500m  |
| G.W. (KG)                     | 2.7KG   |