

## 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 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