



MPOWER UPS



GUARDIAN LCD SERIES

t. 01420 82031  
e. [sales@mpowerups.co.uk](mailto:sales@mpowerups.co.uk)  
w. [www.mpowerups.co.uk](http://www.mpowerups.co.uk)

**10 years of uninterruptible power**

# GUARDIAN LCD SERIES

## Line Interactive Technology 600VA to 2000VA

- Microprocessor controlled Line Interactive Technology
- Boost and Buck Automatic Voltage Regulation (AVR)
- LCD Display Panel
- Advanced Battery Management (ABM)
- Input Frequency auto sensing (50/60 Hz)
- Auto restart after mains recovery
- Short circuit and overload protection
- Cold Start Function
- USB Communication Interface and Remote Monitoring Software
- Modem/Phone line protection
- Compact size and user friendly operation

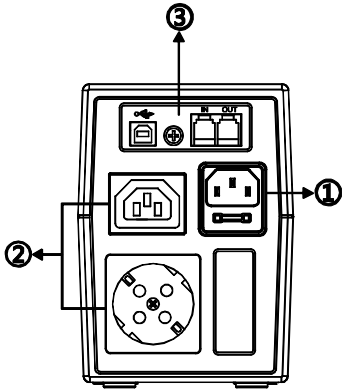


### General Features

This UPS is especially aimed for use with personal computers, routers, phones, EPOS systems, consoles, televisions and much more. It is equipped with boost & buck AVR to stabilize the wide input voltage range. It also comes with a high-efficiency switch-mode battery charger as standard, minimizing power loss to save charging time. The built-in DC start function enables the UPS to be started up without a supply of AC power.

# GUARDIAN LCD SERIES

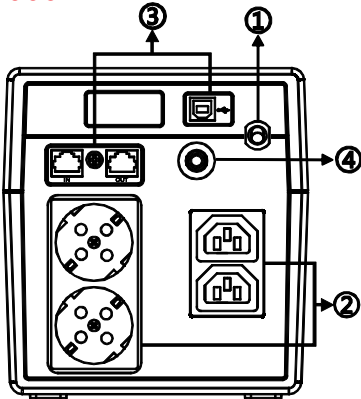
## 600-800 VA



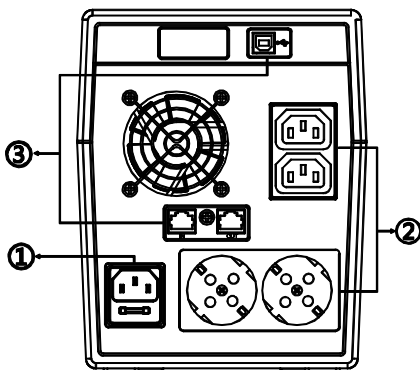
## Back Panel

1. AC input
2. Output receptacles
3. USB & RJ11/RJ45 Communication  
(RJ11 for 600-800VA and RJ45 1000-2000VA)
4. Breaker

## 1000VA



## 1500-2000VA



Specification					
MODEL	GUARDIAN LCD 600AP	GUARDIAN LCD 800AP	GUARDIAN LCD 1000AP	GUARDIAN LCD 1500AP	GUARDIAN LCD 2000AP
Capacity (VA)	600	800	1000	1500	2000
<b>INPUT</b>					
Voltage	220V or 230V				
Input Voltage Range	162 to 290VAC				
Frequency	50 or 60 Hz (auto sensing)				
<b>OUTPUT</b>					
Power Factor	0.6				
Voltage ( On battery )	220V or 230V ± 10%				
Waveform ( On battery )	Simulated Sinewave				
Frequency ( On battery )	50 or 60 Hz ± 1Hz				
Voltage Regulation (AVR)	AVR automatically increases output voltage 15% above input voltage if -10% to -26% of nominal. AVR automatically decreases output voltage 15% below input voltage if +10% to +22% of nominal.				
Transfer Time	2 - 6 ms				
Outlets	1pc Schuko & 1pc IEC C13		2pcs Schuko & 2pcs IEC C13		
<b>BATTERY</b>					
Type	Maintenance-free lead acid batteries				
Recharge Time	6 hours ( to 90% of full capacity)				
Voltage	12VDC		24VDC		
Quantity	1x12V 7Ah	1x12V 9Ah	2x12V 7Ah	2x12V 9Ah	
<b>DISPLAY</b>					
LCD Display (optional)	Input & Output Voltage values, AC mode / Load Level / Battery Capacity Indicators				
<b>AUDIBLE ALARMS</b>					
	Backup Mode , Low Battery, Overload, Fault				
<b>PROTECTION</b>					
	Short Circuit, Overload, Battery Discharge, Overcharge, Phonerline				
<b>COMMUNICATION</b>					
	USB Port				
	Software available as standard				
<b>ENVIRONMENT</b>					
Operating Temperature	0-40 °C				
Humidity	0 to 90% non-condensing				
Audible Noise at 1 m	<40dBA				
Protection class	IP20				
<b>PHYSICAL SPECIFICATIONS</b>					
Net Weight (kg)	4.35	4.7	7.8	10.1	10.5
Dimensions (mm) xDxDH	101 x 298 x 142		149.3 x 353 x 162		158 x 380 x 198
<b>STANDARDS</b>					
Standards	EN 62040-1-1 (Safety), EN 62040-2 (EMC)				

