

# Guardian & Guardian LCD Series

Line Interactive Technology  
600VA to 2000VA

- ▶ Microprocessor controlled Line Interactive Technology
  - ▶ Boost and Buck Automatic Voltage Regulation (AVR)
  - ▶ LCD or LED Display Panel
  - ▶ Advanced Battery Management (ABM)
  - ▶ Input Frequency auto sensing ( 50/60 Hz )
  - ▶ Auto restart after mains recovery
  - ▶ Charging during switched off mode
  - ▶ 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
- \*Available at AP models only



## Guardian & Guardian LCD Series Technical Specifications

MODEL	GUARDIAN 600A/ AP GUARDIAN LCD 600AP	GUARDIAN 800A/ AP GUARDIAN LCD 800AP	GUARDIAN 1000A/ AP GUARDIAN LCD 1000AP	GUARDIAN 1500A/ AP GUARDIAN LCD 1500AP	GUARDIAN 2000A/ AP 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	1 pc Schuko & 1 pc IEC C13		2 pcs Schuko & 2 pcs 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>					
LED Display	Fault, Battery Mode, AC Mode				
LCD Display (optional)	Input & Output Voltage values, AC mode / Load Level / Battery Capacity Indicators				
<b>PROTECTION</b>					
	Short Circuit, Overload, Battery Discharge, Overcharge, Tel / Phoneline (AP Models only )				
<b>COMMUNICATION</b>					
Interface (Communication Ports)	USB Port (only AP models)				
Software	Available with AP models only				
<b>AUDIBLE ALARMS</b>					
	Backup Mode, Low Battery, Overload, Fault				
<b>ENVIRONMENT</b>					
Operating Temperature	0-40 °C				
Humidity	0 to 90% non-condensing				
Audible Noise at 1m	<40dBA				
Protection class	IP20				
<b>PHYSICAL SPECIFICATIONS</b>					
Net Weight (kg)	4,35	4,7	7,8	10,1	10,5
Dimensions (mm) WxDxH	101x298x142		149,3x353x162		158x380x198
<b>STANDARDS</b>					
Standards	EN 62040-1-1 (safety), EN 62040-2(EMC)				