



Guardian & Guardian LCD

1 Phase In – 1 Phase Out / 600 VA – 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
- RJ45 or RJ11 tel-modem surge protection
- USB Communication Interface and Remote Monitoring Software*
- Compact size and user friendly operation



(*) Available at AP models only



TECHNICAL SPECIFICATIONS

MODEL	GUARDIAN LED - LCD A/AP				
Nominal Power (VA)	600VA	800VA	1000VA	1500VA	2000VA
INPUT					
Input Voltage	220V / 230V				
Input Voltage Range	162-290VAC				
Frequency	50 or 60 Hz (Auto-sensing)				
OUTPUT					
Output Power Factor	0.6				
Output Voltage (Battery)	220V or 230V ± 10%				
Output Waveform (Battery)	Simulated Sinewave				
Output Frequency (Battery)	50 or 60 Hz ± 1Hz				
Output Voltage Regulation (AVR)	AVR automatically increases output voltage by 15% above of input voltage if input is -10% to -26% of nominal AVR automatically decreases output voltage by 15% below of input voltage if input is +10% to +22% of nominal				
Transfer Time	2 - 6 ms				
Outputs	1xSchuko + 1xIEC C13		2xSchuko + 2xIEC C13		
BATTERY					
Battery Type	Maintenance Free Lead Acid Batteries				
Battery Charge Duration	6 hours (90% capacity)				
Nominal DC Voltage	12VDC		24VDC		
Battery Quantity	1 x 12V 7Ah	1 x 12V 9Ah	2 x 12V 7Ah	2 x 12V 9Ah	
Backup Time	7 - 20 min. (Depending on Computer Load)				
DISPLAY					
LED Display	Online Mod, Battery Mod, Fault				
LCD Display (Optional)	Input & Output Voltage values, AC mode, Load Level, Battery Capacity Indicators				
ALARMS					
	Battery Mode (Every 10 seconds), Low Battery (Every second), Overload (Every 0.5 seconds), Fault (Continuous)				
PROTECTION					
	Short-circuit, Overload, Battery overcharge-discharge, Tel/Modem				
COMMUNICATION					
Interface	RJ11 (@600-800VA), RJ45 (@1000-2000VA) , USB Port (Only AP Models)				
ENVIRONMENT					
Operational Temperature	0-40 °C (20 to 25 recommended for longer battery life time)				
Humidity	0 - 95% (non-condensing)				
Noise Level (1m distance)	<40dBA				
Protection Level	IP20				
PHYSICAL					
Net Weight (kg)	4.35	4.7	7.8	10.1	10.5
Dimensions (WxDxH) mm	101x298x142		149.3x353x162		158x380x198
STANDARDS					
Safety	EN 62040-1				
EMC	EN 62040-2				