

POWERMAN

Combotrade Thirteen (Pty) Ltd T/A PowerMan Reg No. 97/02468/07

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The Off-Line UPS Range

The Off-Line UPS with AVR is designed to interact with the mains to supply a steady flow of power to the computer equipment. A high powered filter is incorporated into the machine to protect against spikes and surges. An automatic voltage regulator is incorporated into the machine, this will help to increase the battery life of the UPS as it will be able to switch to battery power at a much lower (or higher) input voltage. The input is monitored and as soon as the mains drops below a pre-set level or fails completely the unit switches to battery inverted power. Switching time is well within the tolerance of modern computer power supplies.

Features



PM265

1. An Automatic Voltage Regulator (AVR) monitors the input and keeps the voltage steady to within 5 % of the nominal input voltage.

2. Wide Input Voltage Range. The AVR increases the input voltage range which means that the UPS will only start to draw power from the batteries at a much lower input voltage.

3. Fast Switching Time. If the mains drops below a pre-set level or fails completely the unit switches to battery inverted power. Switching time is well within the tolerance of modern computer power supplies.



PM2120

4. DC Start Capability. Units are able to start and run with no mains input. Essentially the units can be run as a straight forward inverter if necessary.

5. Silent Operation. The off-line UPS is virtually inaudible and can be used unobtrusively in any office environment.

6. Communication Software. All units are fitted with a communication port. This can be connected to the USB port of a computer, and in conjunction with the incorporated software package can supply information on the status of the UPS, and perform an orderly shut-down of the computer.

Specifications

Model No.	PM265	PM2120	PM2200	PM2300
Capacity VA (Watts)	650 (390)	1200 (720)	2000 (1200)	3000 (1800)
Input Voltage	220 V AC \pm 25 %			
Input Frequency	50 Hz \pm 10%			
Transfer Time	\pm 5 Milli-seconds including detection			
Output Voltage On Inverter	230 V AC \pm 5 %			
Frequency on Inverter	50 Hz \pm 1 %			
Inverter Wave Form	Stepped Sine			
Efficiency	Approximately 90 %			
Overload Protection	Yes			
Batteries	Sealed lead acid - 3 to 5 year life			
Re-Charge to 90 %	8 Hours			
Backup Time With Computer Load	10 min	15 min	15 min	15 min
Backup Time With Resistive Load	3 min	5 min	5 min	5 min
Ambient Operation	3000 M Max Elevation, -10 To 40 C, 0 To 90 % Humidity			
Audible Noise At 1 M	< 45 dBA			
Mains Fail Alarm	Intermittent beep			
Low Battery Alarm	Continuous beep			
Mains On Indicator	Yes			
Short Circuit Protection	Yes			
Low Battery Shutdown	Yes			
Dimensions (w x d x h) mm	340 x 95 x 165	400 x 125 x 220	465 x 190 x 330	465 x 190 x 330
Weight	7 Kgs	11 Kgs	22 Kgs	37 Kgs

Note : All computer load run times given are calculated at full computer load using 1 x P3 with a SVGA screen which is approximately equal to 350 VA.