

# COMMERCIAL SERIES

**Line Interactive - Sine Wave - 1000VA to 3000VA**

- **AVR Buck and Boost**  
Extends battery life
- **Pure Sine Wave Output**  
Ensures highest level of power output quality
- **User Friendly LCD Display**  
For ease of use
- **Advanced Battery Management**  
Prolongs battery life
- **Australian 3 Pin Socket**  
User friendly
- **User Replaceable Batteries**  
Ease of maintenance
- **Plug-and-Play USB/RS232 Interface**  
For UPS software control shutdown
- **Comprehensive Warranty**  
3 year warranty (2 years on battery)

## Exceptional Design . . .



The Commercial Series, features AVR (Buck and Boost), pure sine wave output, user friendly LCD display, user replaceable battery, advanced battery management function, cold start function and USB Communication Interface. The Commercial Series UPS provides a high-performance but inexpensive power protection solution for most business critical file servers, minicomputers, network switches and hubs, etc.

Sine Wave Output assures compatibility with all equipment.

Advanced Battery Management prevents Deep-Discharge of the batteries during a power failure when the load is minimum.

User Friendly LCD display clearly indicates all major system parameters and system status including load level, AVR-Buck/Boost and fault status.

97% high efficiency in normal mode meets high energy saving standard and reduces noise and heat. AVR buck and boost automatically corrects either under-voltage or over-voltage conditions without unnecessary battery use which extends battery life.

The bundled communication software allows control of the UPS and graceful shutdown when power fails, which enables the user to remotely test the major operating functions of the UPS.

Optional SNMP/Web/Network adapter allows access to UPS functions via the Web and also alerts users via SMS messages about specific events.

**POWER FOR THE  
NON-STOP WORLD**

[www.upsonic.com.au](http://www.upsonic.com.au)  
Phone 1800 634 307



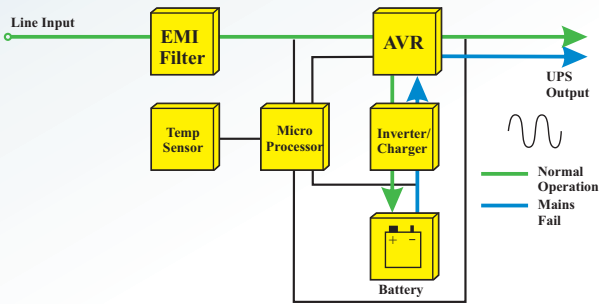
# Specifications

Model	COMMERCIAL SERIES	CS 1000	CS 1500	CS 2000	CS 3000*
CAPACITY	VA/W	1000VA/600W	1500VA/900W	2000VA/1200W	3000VA/1800W
INPUT	Voltage	230 ± 25%			
	Frequency	50 / 60Hz ± 5% DIP Switch			
OUTPUT	Voltage (AC Mode)	230 +12% ~-14%			
	Voltage (INV Mode)	230 +3% ~-10%			
	Wave Form	Sine Wave, THD <3%			
	Frequency	50 Hz / 60 Hz ± 0.2%			
	Transfer Time	2 - 6 ms			
	Run Time (Full Load)	5 min	4 min	5 min	4 min
	DC Start	Yes			
BATTERY	Battery Type	Sealed Lead Acid Maintenance Free			
	Capacity	12 V 7AH	12 V 9AH	12 V 7AH	12 V 9AH
	Quantity	2 pcs	2 pcs	4 pcs	4 pcs
	Voltage	24 Vdc		48 Vdc	
	Recharge Time	4 Hours to 90%			
DISPLAY	LED	Utility Normal, Backup, UPS Fault and Battery Condition			
	LCD	Load Level (%), Battery level (%), Bypass, AVR-Boost/ AVR Buck			
		Battery Low / Replace / Fault, UPS Fault, Site Wiring Fault, Overload			
	Self Diagnostics	Upon start up and software control			
ALARMS	Audible and Visual	Line Failure, Battery Low, Overload and Fault			
PHYSICAL	Dimension (WxDxH) (mm)	173 X 369 X 247		173 X 472 X 247	
	Backup Outlets	6 AUS			
WEIGHT	Nett Weight	15kgs	16kgs	23kgs	26kgs
MARKS		CE, cUL, UL			
INTERFACE	Upsilon Software	RS 232 and USB, Windows / Free BSD / Novell			

\* Requires 15 Amp Socket

COMMERCIAL SERIES 1KVA - 3KVA

## System Block Diagram



Rear of  
CS 1000 - 2000



Rear of  
CS 3000

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