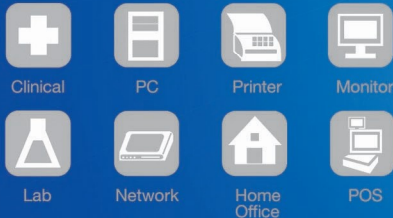


Avior Series



COMPREHENSIVE LCD DISPLAY

Alphanumeric LCD display shows UPS Status and UPS Parameters like voltage, current, frequency

USB CONNECTIVITY

USB port facilitates the communications between UPS and a PC (via USB cable) through software

BUCK / BOOST STABILIZER

The inbuilt AVR smooths out voltage fluctuations to protect connected load and prolong battery life



The ORION AVIOR range of Line Interactive UPS are designed primarily for difficult environmental site conditions that have wide voltage fluctuations in the mains power distribution. The AVIOR Series UPS provides clean and reliable backup power to ensure continued data integrity and optimum performance under a wide range of mains power conditions.

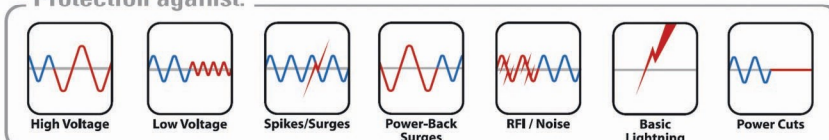
Line-Interactive topology

This topology guarantees consistent reliability and high level of power quality. Whatever the supply disturbances, the output waveform is stabilised via double boost and buck mode. The battery is used only as a backup source.

High performance and reliability

Avior features a microprocessor controller that delivers modified sine wave output offering the highest levels of reliability and efficiency, all in a compact design.

Protection against:



- Suitable for extreme site conditions
- Total DIGITAL Controls
- Wide Input Voltage Range
- Superior Dynamic Response
- Temperature Compensated Charger
- Synchronised Switchover
- Advanced Charge Profile Algorithm
- Active Voltage Regulation
- Intelligent Computer Interface
- Extended Battery Runtime
- Compatible with Solar Power (Optional)
- Complete Power Integrity & Management

ISO 9001 & ISO 14001



600 VA - 1 KVA
DIGITAL UPS SYSTEMS

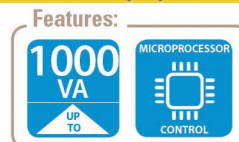


Powerful Solutions for
an Intelligent World

Orion
REALTIME PROTECTION

Power protection for computers & bio-medical equipment

Avior Series



The ORION Line-interactive UPS combines the best technological benefits, making them the most advanced units; specially designed for protection of increasingly powerful computer systems, for both business applications and the most complete multimedia solutions. It incorporates all the requisite safety features required for a UPS to provide safe and efficient protection. ORION Line-interactive UPS assures you maximum reliability and electrical safety features, so that you can get the best out of your computer system.

TECHNICAL SPECIFICATIONS

UPS Capacity	600 VA	700 VA	800 VA	1000 VA
Model	Avior 600	Avior 700	Avior 800	Avior 1000
INPUT PARAMETERS				
Nominal Input Voltage	220 / 230 V AC			
Nominal Input Voltage Range	140 - 300 V AC			
Input Frequency	50 Hz +/- 5 Hz			
Input Connections	Indian 3 Pin 5/6A			
Power Cord length	1.5 mtrs			
OUTPUT PARAMETERS				
Capacity (Watts)	360 W (optional 480 W)	420 W (optional 560 W)	480 W (optional 640 W)	600 W (optional 800 W)
Nominal Output Voltage	220/230 V AC +/- 10% (mains mode) and +/- 5% (battery mode)			
Output frequency	Same as input (Mains mode) & 50 Hz +/- 0.5 Hz (Battery Mode)			
Wave Form Type	Stepped approximation to a sine wave (Optional Sine-wave)			
Output Connections	Qty-01/02 Indian 3 Pin or IEC 6A (Surge Protection)			
Switchover Time	Qty-02/03/04 Indian 3 Pin or IEC 6A (Battery Backup) < 5 m-sec			
BATTERY DETAILS				
Battery Type	Maintenance free sealed Lead acid battery leak proof (internal/external)			
Recharge Time	6-8 hours to 90% capacity after discharge			
No. Of batteries (internal)	1~4 Nos. 12V - 7AH~26AH	1~4 Nos. 12V - 7AH~26AH	2~4 Nos. 12V - 7AH~26AH	2~4 Nos. 12V - 7AH~42 AH
No. Of batteries (external)	1~2 Nos. 12V	1~2 Nos. 12V	1~2 Nos. 12V	1~2 Nos. 12V
Charging Current	Upto 8~10 Amps for Long duration back-up			
COMMUNICATION				
Interface Port(s)	USB / RS 232 C Interface			
Display	Multifunction LED (Optional LCD)			
Monitoring	Power Management software with interface cable.			
Protection & Alarm	Surge, Cold Start , Low battery, overload, overvoltage, short circuit (Fuse/MCB in Mains mode & Electronic protection in battery mode), Inbuilt Bypass (optional)			
ENVIRONMENT				
Operating Temperature	0°C to +45°C			
Relative Humidity	0% to 95%			
Operating Elevation	0 – 3000 meters			
Storage Temperature	-15°C to +45°C			
Audible noise	<40 dBA			
PHYSICAL				
H x W x D (mm)	160 x 220 x 360	160 x 220 x 360	420 x 200 x 220	420 x 200 x 220
Weight	7 Kgs	9 Kgs	11 Kgs	13 Kgs
CERTIFICATIONS				
Quality	ISO 9001, ISO 14001, OHSAS 18001, CE			
Safety & EMC	IEC 62040-1, IEC 62040-2			
Environment Compliance	RoHS			

Specifications are subject to change without prior notice due to continuous technology upgrades © 2014 DS SYSTEMS PVT LTD



600 VA - 1 KVA
DIGITAL UPS SYSTEMS