

# PURE SINE-WAVE SERIES UPS

3000 VA-7500 VA

## The Optimum Power Solution Provides

- Pure Sine-wave PWM Out put
- Micro Controller Based Design for High Reliability
- Extended / Long Backup Time
- Rapid Battery Charger.
- Wide Input Voltage Range / Complete AVR.
- Generator Compatible
- LCD Display



**PRODIGY**  
The Complete Power Solution

This is a unique series of Prodigy with respect to its features and standards as it is a line interactive pure Sine-Wave UPS with built-in AVR. Ideal for almost any type of electrical loads especially for, ATM Machine, Servers, Computers, DSL Modems, Routers, Call Centers, LCD TV, Sound System, PABX System, Air-Conditions, Fans, Lights, Freezers and all types of Motor Pumps etc.

Comprehensive  
ONE YEAR  
Warranty

# PURE SINE-WAVE SERIES UPS

## Technical Specifications

Models	PSW-300	PSW-400	PSW-500	PSW-600	PSW-750
Power Rating (VA)	3000-VA	4000-VA	5000-VA	6000-VA	7500-VA
BATTERY VOLT	48-VDC	48-VDC	48-VDC	72-VDC	72/96-VDC
<b>INPUT</b>					
Input Supply / Frequency	Single / Phase 45-65 Hz				
Voltage Window	150-275 VAC		165-275 VAC		
Under / Over Voltage	150 - 160 / 270 - 275 VAC		165 - 175 / 270 - 275 VAC		
Input Filtering / Protection	EMI/RFI Filter, MOV Surge Suppressor				
<b>OUTPUT</b>					
Output Voltage AC Mode	220 VAC nominal, Single Phase / $\pm 10\%$				
Overload Capacity / Current Limit	150% for 1Sec. / 200% on Full Load				
Output Voltage on Battery / Frequency	220V AC / 50Hz				
<b>GENERAL</b>					
Topology	Microprocessor Controlled Line Interactive				
Wave Form	Pure Sine-wave				
Transfer Time	2-4ms (typical)				
Power Control	ON-OFF Touch Switch				
Cold Start	activates UPS without Utility Power (with cold Start Feature)				
Battery Type	Maintenance Free Sealed & Lead Acid Batteries				
Battery Charging	Intelligent Charging, 90% For Sealed Batteries 3.5 Hrs.				
Temperature / Humidity	45 deg. (max) / 95 % RH (Non - Condensing)				
Computer Interface	Rs 232 Port (DB-9 Connector)				
Output Receptacles	Universal Socket / Terminal Blocks				
Protection	Surge, Spikes RFI, Over Load, Battery over Discharge, Battery Over Charge, Mains Faulty, Short circuit, Over heat				
<b>INDICATIONS</b>					
Visual Indications	On-Mains, On Battery, % Battery Capacity, % Load, In-Put Voltage, Out put Voltage, Temperature.				
Audible Indications	Beep On Low Battery, System over load, System over heat, Error.				

\* Specifications are subject to change without prior notice.  
\* Some Features are not common for all Model.

### Distinguishing Features

- ❖ Pure Sine wave PWM Out put.
- ❖ LCD Display for UPS Status.
- ❖ Built-in Complete AVR
- ❖ Rapid Battery Charger.
- ❖ Reactive-Load Handling Capability.
- ❖ I-Ready Capability.
- ❖ Continuous-Rated Design.
- ❖ Cold Start Capability.
- ❖ Extended Back up Times.
- ❖ Dry Maintenance Free Batteries.

### Protection Features:

- ❖ Short Circuit Protection
- ❖ Over Load Protection
- ❖ Under Voltage Protection
- ❖ Over Voltage Protection
- ❖ Battery Over Charge Protection
- ❖ Battery Over Discharge Protection
- ❖ Over-Temperature Protection
- ❖ Surge Protection
- ❖ Faulty Mains Protection
- ❖ Mains Filtering

UPS Monitoring and Shut down Software

### Indications and Alarms:

- ❖ On Mains / Battery Display On LCD
- ❖ In-put Voltage Display on LCD
- ❖ Out-put Voltage Display on LCD
- ❖ Battery Capacity Display on LCD
- ❖ Connected Load Display on LCD
- ❖ Over Load Trips.
- ❖ Over Temperature Display
- ❖ Audible Alarms on Change over
- ❖ Audible Alarms on Low Battery
- ❖ Error Condition Alarm.



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