

## Features

### Product highlights:

- ▶ Hot Sync™ parallel up to 8 units, for capacity/redundancy
- ▶ Completely digital control, using CAN bus technology (typically for harsh environments)
- ▶ Excellent output voltage stability, ideal for 100% step loads, also unbalanced and nonlinear loads
- ▶ 12 pulse rectification
- ▶ Internal static and manual bypass
- ▶ Top & bottom cable entry
- ▶ Inherent reliability through distributed control, power supply and cooling system redundancy
- ▶ Easier maintenance with front access for installation and service
- ▶ Software suite with full compatibility

### Options:

- ▶ ConnectUPS SNMP/web adapter
- ▶ Additional relay card
- ▶ Modem adapter
- ▶ Modbus / Jbus adapter
- ▶ X-Slot expansion cards for enhanced connectivity
- ▶ Remote display panel
- ▶ ABM™ providing up to 50% longer battery life
- ▶ Intelligent input filters (<4% THD)
- ▶ Isolation and voltage adaption transformers
- ▶ Backfeed protection
- ▶ Matching external battery cabinets
- ▶ DC battery breakers
- ▶ External maintenance bypass facility

### Typical applications:

- ▶ Industrial controls
- ▶ Manufacturing machinery
- ▶ Process equipment
- ▶ Transportation
- ▶ Security
- ▶ Telecommunication
- ▶ Large computer systems
- ▶ Server and Data centers

# POWERWARE® 9370 400-500kVA

Three-phase UPS for ICT and Industrial Applications



### Product Snapshot

<b>Technology:</b>	Series 9 (double conversion on-line)
<b>Rating:</b>	400-500 kVA
<b>Voltage:</b>	3x380/400/415Vac
<b>Frequency:</b>	50/60 Hz
<b>Backup time:</b>	5 min up to several hours
<b>Frequency:</b>	50/60 Hz

The Powerware 9370 incorporates the latest technology double-conversion, on-line design and provides complete isolation from all incoming utility and generator related power problems. This ensures the highest level of protection for your critical load.

### Compact design with the most advanced technology

Complete digital control is implemented through an internal CAN bus. The advanced UPS control system is integrated into a very compact cabinet and provides a machine that is optimized in terms of layout and component choice. This makes PW9370 a market-leading product, with an extremely attractive price-performance ratio.

### Performance and reliability

The new PW9370 design, includes extensive component and subsystem redundancy, HotSync™ parallel capability for both redundancy and capacity increasing and the

Advanced Battery Management (ABM)™ feature, all of which serve to enhance UPS reliability and performance.

In addition, excellent output voltage stability, with 100% step loads, unbalanced loads, or nonlinear loads, is provided. All these technical features, together with continuous UPS monitoring make PW9370 a world class UPS.

### Any kind of critical application

With its robust design, Powerware 9370 can operate in a range of environments, for computer or industrial applications. Its rugged construction is combined with advanced communication capabilities for comprehensive monitoring, management and shutdown with local or network connections.

An extensive range of UPS options also allows the Powerware 9370 to satisfy more specialised power requirements, such as, reduction of input harmonic distortion (THDI), galvanic isolation and adaption to the power plant where the UPS is installed.

Powerware 9370 a new, world class UPS for high availability, business continuity applications.

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# POWERWARE® 9370 400-500kVA

Uninterruptible Power System

TECHNICAL SPECIFICATIONS		
Rating	400 kVA	500 kVA
Capacity (kVA/kW)	400/320	500/400
Dimensions WxHxD (mm)	2100x1900x860	2100x1900x860
Weight (kg)	2300	2800
Input connection	Hardwire (bottom & Top)	Hardwire (bottom & Top)
Output connection	Hardwire (bottom & Top)	Hardwire (bottom & Top)
Battery	External	External
Operational		
Nominal input voltage (Vac)	220/380, 230/400, 240/415 Vac three phase	
Input voltage range	342 to 456 Vac	
Frequency	50/60 Hz (45–65 Hz)	
Input power factor	0.83 lag (full load), 0.95 with filter	
Input current distortion (THD)	< 7%, <4% with filter	
Nominal output voltage	220/380, 230/400, 240/415 Vac three phase	
Output voltage regulation	±1% static; ± 5% dynamic 100% load change, <3 ms recovery time	
Overload capacity	101–125% for 10 min (on-line); 126–150% for 1 min (on-line); 1000% for 1 cycle (bypass)	
Efficiency	93%	
Option	Parallel capacity/redundancy; ABM; backfeed protection; isolation transformer; intelligent input filters; external bypass; external battery cabinets; transformers/autotransformers for voltage adaption; battery breakers, thermal probe for battery voltage adaption	
User interface		
LCD Display	Graphical LCD display showing status, measurements of performance, alarms and event log	
Led	UPS on, on battery, on bypass, notice, alarm	
Standard communication ports	1x RS232 for local support; 4 x AS/400 programmable relays; 4 programmable input: generator on, external bypass, inverter on/off, environment alarm; Remote Emergency Power Off; 4x empty connectivity slots for optional cards	
Optional	RS232 extension, SNMP/WEB, Modbus/Jbus, modem, environmental monitoring probe, Remote ViewUPS display panel, additional relays, multiserver card	
Environmental		
Operating temperature	0°C – +40°C	
Storage temperature	-25°C – +60°C	
Altitude	<1000 m	
Audible noise at 1 meter (dBA)	72 dBA (According to ISO 3747)	
Certification		
Markings	CE	
Safety	IEC EN 62040-1-1, IEC 60950	
EMC	EN 50091-2	
Performance and Test	IEC EN 62040-3	

Powerware solutions are available from small offices to data centres, including UPSs, power management software and service.

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