

# The Ultimate UPS – Security Concept

**XANTO** S-Series



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**ONLINE**  <sup>TM</sup>  
UPS · SYSTEMS AG

# XANTO S-Series

## ONLINE · TECHNOLOGY

The ultimate protection for Novell, WindowsNT and UNIX servers

The **XANTO** S-Series is the result of consequent development of well-tried UPS concepts. **XANTO** breaks all records of its class. It constitutes a must for all commercial users who want to secure data and information.

### Double-converter technology

The double converter or online technology allows computers to be totally de-coupled from the mains power supply. **XANTO** functions like a filter, regulating all power imbalances.

The computer system is fed with a perfect sine wave of 230V/50Hz independently of the mains power supply. Even extreme power disturbances cannot affect computers, network or periphery.

### Intelligent battery management

An intelligent systems manager automatically checks battery availability and guarantees the availability of the system as a whole. Moreover the systems manager protects the batteries from over- and undercharging and rapidly re-charges them within one or two hours.

### ONLINE-Services

Service is one of our priorities. Thanks to this service, ONLINE enjoys an outstanding position in the market. For the **XANTO** S-Series ONLINE offers the following:

#### Money-back guarantee

You can test **XANTO** thoroughly for 2 weeks. If you are not satisfied, simply send back the unit and we will reimburse you.

#### Two years full warranty

We guarantee more than 4 times the lawfully required warranty period.

#### Priority exchange

In cases that fall within the warranty period, you can receive an exchange unit within 48 hours upon request.

#### Rapid delivery service

We deliver your **XANTO** UPS within 24 hours.

### Compact design with a plus in service

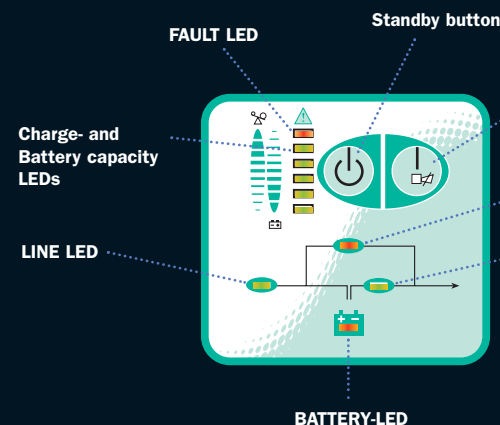
UPS systems in the **XANTO** line are among the lightest ones of their class and are appreciated for their compact and appealing design. Their generous characteristics in terms of performance are extremely convincing, ranging from 700 to 20000 VA. This makes **XANTO** a solution for all computer systems ranging from stand-alone PCs and servers to entire networks.

### Interface communication

**XANTO** communicates with the ONLINE software DataWatch via an integrated interface in order to monitor the UPS and network management. DataWatch is thus informed about all system conditions, such as input voltage, battery condition or stored energy time. A second interfacesocket is optional available for SNMP-Adaptor or floating contacts.

### Bypass function

The **XANTO** units are equipped with a bypass. In case of overload, like during systems start-up for example, **XANTO** automatically switches to bypass and guarantees a short-term power supply directly from the mains power supply system.



# - the ultimate ups security

## Flexible: DataWatch Software

Included in our standard delivery service of the **XANTO** UPS systems is **DataWatch**, an all-encompassing software solution to monitor your UPS and mains power supply. In addition, it enables you to shut down your computer in a controlled way.

**DataWatch** works in the background and constantly communicates with **XANTO** via a serial interface. As soon as a disturbance of the mains power supply has been recognized and the computer system has been switched to battery mode, **DataWatch** makes sure all running applications are closed, data is saved and the entire system is shut down via a freely configurable process.

**DataWatch** is a client-/server-application for networks and local workstations. It runs with Windows NT/95/98/2000/XP, LINUX, UNIX, Novell Netware, IBM AIX, Sun Solaris, etc. Highly flexible, **DataWatch** can be adapted to any and all individual needs.

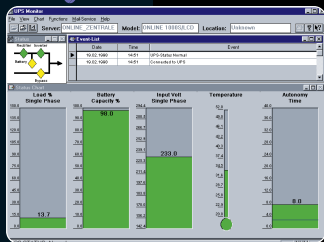
For example a number of servers connected to one **ONLINE-UPS** via **RCCMD** (Remote Console Command) can be steered and communicated with simultaneously.

It is possible to observe **XANTO-UPS** and the mains power supply with remote control via the Client-Module. With this module you can carry out user defined system- and security tests such as checking UPS temperature or battery stored energy time and observe the quality of the mains power supply. Logfiles document these processes without interruption.

**DataWatch** does not only offer a number of functions to observe the **ONLINE UPS** or the mains power supply, but can also supply you with an integrated messaging system which automatically forwards messages via fax, e-mail or cellular phone in case of disturbances. In this way you are permanently informed.



**DataWatch** for a  
operating system  
included in our  
delivery service



**DataWatch** monitor software ensures constant information about the quality of the mains power supply.



ON button

By pass LED

Invert LED



Operating- and display panel of **XANTO** S-Series.

# concept.

## Powerful: battery packs

The length of time that a UPS can power computer systems depends first of all on the capacity of the connected computers, monitors and systems periphery as well as on the capacity of the UPS batteries. With additional external **battery packs XANTO** now offers the possibility to precisely adapt battery capacity and thus bridging time to your individual needs.

### Time for saving data

With additional **battery packs**, a UPS of the **XANTO** line can secure the power supply for a network server for a couple of hours. Like this a shut down of big network servers and saving even large amounts of data constitutes no security problem. You can attach up to 2 external **battery packs** to your **XANTO** (except **XANTO 700**).

**XANTO** is the premium class **ONLINE UPS-Series**. It is compact, light and powerful, ranging from 700 to 20000 VA. Its double converter technology decouples the computer system completely from the mains power supply and assures a perfect sine wave of 230V/50Hz.



# Technical Data XANTO S-Series

## Input: 3 phase/Output: 1 phase

Model XANTO	S 10.000	S 15.000	S 20.000
<b>Rated output power</b>	S 10.000 3/1 10.000 VA 7.000 W	S 15.000 3/1 15.000 VA 10.500 W	S 20.000 3/1 20.000 VA 14.000 W
<b>Input</b>			
Voltage	400/230 VAC (304-456 V)		
Frequency	50/60 Hz ± 5%, automatic selection		
Power (max.)	18 A	26 A	34 A
<b>Output</b>			
Voltage	208/220/230/240/VAC ± 3%, adaptable with slide switch		
Frequency, synchronized	50/60 Hz ± 3 Hz		
Frequency, by-pass	50/60 Hz ± 0,5 Hz		
Voltage wave	sine		
<b>Battery</b>			
Type	Maintenance-free sealed lead battery		
Durability	approx. 5 years in an operating environment of 20 °C according to EUROBAT		

## Bridging times for mains failure (battery mode)/min

Load	100% / 50%	100% / 50%	100% / 50%
Model XANTO	11/ 26		
plus 1 BatteryPack	45/ 110	25/50	14/29
plus 2 BatteryPacks	110/ 240	60/120	40/90

## Dimensions and Weights

Model XANTO	S 10.000	S 15.000	S 20.000
<b>Model XANTO</b>			
W x H x D in mm	340x980x656	380x980x660	380x980x660
Weight in kg	200	93 (without batteries)	93 (without batteries)
<b>BatteryPack</b>			
W x H x D in mm	340x980x656	800x1400x600	800x1400x600
Weight in kg	378	400	400

## Operating environment

Temperature	10 °C – 40 °C at installation heights less than 1500 mas 0 °C – 35 °C at installation heights of 1500 – 3000 mas
Relative humidity	20 – 90 %, non condensating

## Interfaces

RS 232 interface	UPS network monitoring and system shut down
Relay interface (option)	Normal mode, battery mode, battery capacity low, UPS shut down in battery mode

## Output sockets

on terminal	on terminal	on terminal
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## Certification

CE-mark  
VFI, EN 50091-2 (1995.9), EN 60950 (1992.8), EN 50091-1 (1994.4), prEN 50091-3 (1994.4), EN 50081-1 (1992.2), EN 50082-1 (1992.2), IEC 801-2 Level 4, IEC 801-3 Level 3, IEC 801-4 Level 4, IEC 801-5 Level 3

# Technical Data XANTO S-Series

## Input: 1 phase/Output: 1 phase

Model XANTO	S 700	S 1000	S 1500	S 2000	S 3000	S 6000	S 10000
<b>Rated output power</b>	700 VA 490 W	1.000 VA 700 W	1.500 VA 1.050 W	2.000 VA 1.400 W	3.000 VA 2.100 W	6.000 VA 4.200 W	10.000 VA 7.000 W
<b>Input</b>							
Voltage	230 VAC/161-276 VAC *XS 10000 is also available with a 3~ Phase-Input						
Frequency	50/60 Hz ± 5%, automatic selection						
Power (max.)	4,2 A	6,0 A	8,3 A	12,0 A	16 A	29,6 A	49 A
<b>Output</b>							
Voltage	208/220/230/240/VAC ± 3%, adaptable with slide switch						
Frequency, synchronized	50/60 Hz ± 3 Hz						
Frequency, by-pass	50/60 Hz ± 0,5 Hz						
Voltage wave	sine						
<b>Battery</b>							
Type	Maintenance-free sealed lead battery						
Durability	approx. 5 years in an operating environment of 20 °C according to EUROBAT						

## Bridging times for mains failure (battery mode)/min

Load	100% / 50%	100% / 50%	100% / 50%	100% / 50%	100% / 50%	100% / 50%	100% / 50%
Model XANTO	5 / 18	6 / 20	5 / 14	10 / 26	6 / 18	8 / 23	11 / 26
plus 1 BatteryPack		30 / 75	26 / 67	50 / 115	30 / 70	38 / 88	45 / 110
plus 2 BatteryPacks		60 / 140	60 / 150	90 / 215	55 / 140	60 / 141	110 / 240

## Dimensions and Weights

Model XANTO	S 700	S 1000	S 1500	S 2000	S 3000	S 6000	S 10000
<b>Model XANTO</b>							
W x H x D in mm	145x224,5x400	145x224,5x400	145x224,5x470	192x350x455	192x350x455	260x705x555	340x980x656
Weight in kg	11,5	14,5	19,5	33,5	33,5	91	200
<b>BatteryPack</b>							
W x H x D in mm		145x224,5x400	145x224,5x470	192x350x455	192x350x455	260x705x555	340x980x656
Weight in kg		19	26	48	48	125	378

## Operating environment

Temperature	10 °C – 40 °C at installation heights less than 1500 mas 0 °C – 35 °C at installation heights of 1500 – 3000 mas
Relative humidity	20 – 90%, non condensating

## Interfaces

RS 232 interface	UPS network monitoring and system shut down
Relay interface (option)	Normal mode, battery mode, battery capacity low, UPS shut down in battery mode

## Output sockets

4xIEC320 C13	4xIEC320 C13	4xIEC320 C13	4xIEC320 C13	IEC320 4 x C13+1 x C19	on terminal	on terminal
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## Certification

CE-mark
VFI, EN 50091-2 (1995.9), EN 60950 (1992.8), EN 50091-1 (1994.4), prEN 50091-3 (1994.4), EN 50081-1 (1992.2), EN50082-1 (1992.2), IEC 801-2 Level 4, IEC 801-3 Level 3, IEC 801-4 Level 4, IEC 801-5 Level 3

02/03 Subject to technical changes

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