

SIEMENS

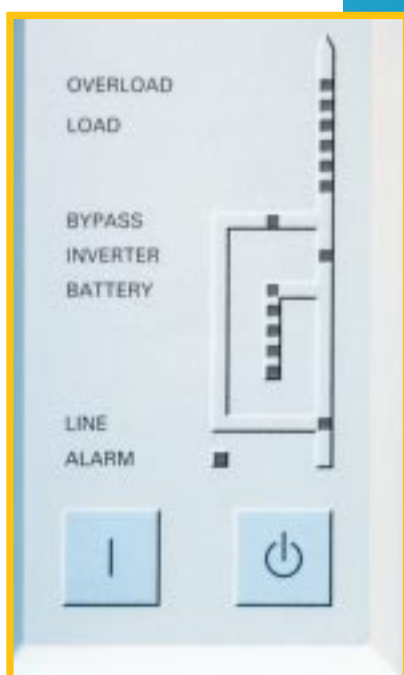
MASTERGUARD:

Series A

0,7 – 3 kVA

***On-line protection for Data,
PCs and networks***

The MASTERGUARD Series A Uninterruptible Power Supplies from Siemens protect data and hardware in networks and complex computer systems from voltage fluctuations and power failure.

**MASTERGUARD protects against:**

- Power Failures
- Voltage Amplitude Variations
- Frequency Variations
- Voltage Distortion
- Voltage Surges
- Interference
- Intermittent Voltage

**MASTERGUARD –
protects PCs and networks:**

- Personal computers
- Workstations
- Networks, Server applications (LAN, WAN, etc.)
- Telecommunication systems

**MASTERGUARD:
Plug and Play**

MASTERGUARD UPS units are ready for action: just connect the UPS to the PC or network, plug it in and switch it on!

**MASTERGUARD:
Online technology with bypass**

In normal operation, the MASTERGUARD converts the mains AC voltage into DC voltage which supplies a battery and an inverter with energy. The inverter generates a sine wave AC voltage which is permanently available at the output.

If and when power problems strike, the battery delivers the required power to the inverter.

The additional Bypass system integrated into the UPS device guarantees an unprecedented level of power supply security:

In overload or short-circuit conditions the Bypass system automatically switches mains power directly through to the user.

MASTERGUARD
SERIES A
WAS

MASTERGUARD puts you in the picture

All operational and load conditions are indicated by light emitting diodes (LEDs). The UPS also sends out an acoustic warning signal at 4 second intervals indicating critical operational conditions. The lower the battery reserve, the shorter the audible alarm interval. There is always enough time to save your current precious data.

The interfaces

All UPS devices possess a combined interface COM port for serial communication. In combination with the additional UPS software, this serial interface enables a host of key monitoring functions.

MASTERGUARD talks to your computer

The decision is yours on how to use your MASTERGUARD:

- Operator-free applications
- Direct communication between UPS and computer
- Connecting the UPS as a client in the network with central monitoring
- Transmitting operational status to external signalling systems

In the simplest case, just connect the serial cable between the UPS and the computer – in many instances UPS software is already integrated in the operating system:

- Banyan Vines
- IBM (AS400, LAN Server, LAN Manager)
- Microsoft (Windows NT, Windows 95)
- Novell (UPS Card, Mousepart)
- Siemens Nixdorf (MX and RM systems).

The Software for MASTERGUARD:

The right software ensures that the field-proven MASTERGUARD safety features are available for every system – from stand-alone PCs to sophisticated computing environments.

MASTERGUARD software is available for all current operating systems and networks. Further information is available in the MASTERGUARD communication software product description.

Model	A 700	A 1000	A 2000	A 3000
Principle of operation	On-line, double conversion			
Nominal load rating (cos φ = 0,7 ind.)	700 VA	1000 VA	2000 VA	3000 VA
Input	Single phase			
Voltage range	160 – 276 V			
Frequency	50/60 Hz ± 5 % Automatic frequency recognition			
Battery	Integrated			
Type	Maintenance-free, sealed lead-acid battery			
Backup time:				
Half-load	18 min	21 min	26 min	17 min
Nominal load	6 min	7 min	10 min	6 min
Output	Single phase			
Voltage/Frequency	230 V/50 Hz or 60 Hz sine wave (output frequency same as input)			
Static voltage tolerance	± 2 %			
Dynamic voltage tolerance (100 % resistive load)	± 5 %			
Frequency tolerance, normal operation	Output frequency synchronised with mains frequency			
Frequency tolerance, power failure	± 0.5 % (internal frequency generator)			
Distortion coefficient (linear load)	< 4 %			
Admissible crest factor	3			
Overload rating	130 % of the nominal load for 1.5 sec., short circuit proof			
Automatic bypass	Integrated			
Display/alarm	LINE, INVERTER, BYPASS, BATTERY (Row of LEDs), ALARM, LOAD, (Row of LEDs), OVERLOAD			
LEDs	Acoustic signal for:			
Alarm	<input type="checkbox"/> Battery operation <input type="checkbox"/> Battery reserve time <input type="checkbox"/> UPS failure			
Interfaces	Signal interface 9-pin Sub-D, male (pins)			
General data	Admissible ambient temperature (normal operation) 10° to + 40 °C, recommended temperature: +15° to + 32 °C			
Storage temperature	– 15° to + 40 °C			
Relative humidity	20 to 90 %, no condensation			
Type of cooling	F (ventilator)			
Humidity class	F nacc. to DIN 40040			
Electrical safety classes	EN 50091-1			
RFI class	EN 55022, class B			
Safety test certificates	TUV, GS seal			
Noise level in dB (A)	≤ 41	≤ 41	≤ 50	≤ 50
Dimensions (W x H x D in mm)	145 x 225 x 400	145 x 225 x 400	192 x 345 x 455	192 x 345 x 455
Weight	13 kg	16 kg	34 kg	34 kg
Installation	Mains power connection With supplied cable, length 1,80 m			
Electrical load connections	A 700: 4* sockets to IEC 320, 10 A A 1000: 2* sockets to IEC 320, 10 A at the rear to the unit		A 2000: 4* sockets to IEC 320, 10 A A 3000: 2* sockets to IEC 320, 16 A	
Operational height	Max. 1,500 m above sea level at nominal load			
Minimum fuse protection of the mains power supply	6 A	10 A	12 A	16 A
Order text	UPS unit A 700	A 1000	A 2000	A 3000
Order number	6SU 5061-0AA00	6SU 5062-0AA00	6SU 5063-0AA00	6SU 5064-0AA00
Accessories (options)	<input type="checkbox"/> Software for communication between computer and UPS <input type="checkbox"/> Battery extension (for A 1000, A 2000, A 3000)			

Order-No. E20001-P861-A50-X71600 Dispo 28000 21U3233 280036 SB 79715.