

**MASTER
GUARD**

**MASTERGUARD
UPS**

Series A

0,7–3 kVA

Series
A







The latest protection technology for individual computers. Series A is based on Siemens' latest low power range technology; the flexibility provided by a complete safety programme composed of single-phase units means that this UPS is even suitable for individual computers. It possesses an outstanding range of protective functions and a whole variety of communication and monitoring features. A combination of a proven design and the latest electronics guarantees improved operational safety and efficiency.



Series A is ideal for individual PCs, workstations and servers as well as for small networks and telecommunications applications.

With its doubly integrated safety battery and, in the event of overloads or short-circuits, automatic bypass, the Series A on-line UPS units are optimally equipped to cope with any kind of disturbance in the mains supply. Thanks to its plug & play design, with software for all standard systems, it can immediately be used anywhere.

First-class convenience with double the safety. The enormous performance capability of its battery, combined with bypass technology for automatic through-connection in the event of a fault, makes Series A stand out in its category. Brilliant signalling and display systems further highlight its advantages with regard to safety. Acoustic alarm devices support monitoring of all operating and load status, while the easy-to-use software, suitable for any computer system, enables the Series A unit to be set up quickly wherever it is required.

MASTERGUARD Series A	A 700	A 1000	A 2000	A 3000
Principle of operation	On-line double-conversion system			
Rated power (cos $\varphi_{ind.} = 0,7$)	700 VA	1000 VA	2000 VA	3000 VA
Input	Single-phase			
Voltage	160 – 276 V			
Frequency	50/60 Hz \pm 5%, automatic frequency recognition			
Battery	Sealed lead-acid battery, integrated, maintenance-free			
Voltage tolerances				
Static	+/- 3% with symmetrical load			
Dynamic	+/- 5% with 100% load increase			
Frequency tolerances				
During normal operation	Output synchronized with mains frequency			
When a power failure occurs	+/- 0,5% (internal frequency generator)			
Backup time				
At half load	12 min	15 min	24 min	14 min
At rated load	6 min	7 min	10 min	6 min
Output	Single-phase			
Voltage/Frequency	230 V/50 or 60 Hz, sinusoidal same as input frequency			
Resistance to short-circuits/ overload rating	130% of the rated load for 1.5 sec, short-circuit proof			
Distortion coefficient	< 4%			
Crest factor	3			
Automatic bypass	Integrated			
Displays/alarm LEDs	     			
Alarm	Acoustic signal for battery operation, battery reserve time, UPS fault			
Safety				
Electrical safety	EN 50091-1, EN 60590			
Interference immunity	To IEC 801 -2 Lev. 4, -3 Lev. 3, -4 Lev. 4, -5 Lev. 3 and EN 50082-1			
Radio interference level	EN 50091-2, class B			
Test certificate	TÜV-GS seal, CB			
Permissible ambient temperature				
During operation	+ 10 �C to + 40 �C; recommended temperature: + 15 �C to + 32 �C			
During storage	- 15 �C to + 40 �C;			
Relative humidity	20 to 90%, no condensation			
Type of cooling	F (fan), load dependant control of fan speed			
Noise level, typical	\leq 39 dB(A)	\leq 39 dB(A)	\leq 45 dB(A)	\leq 45 dB(A)
Interfaces				
Data communication	RS 232 Sub-D 9-pole/male or USB (optional SNMP-adapter card)			
Mains power connection	With supplied cable, length 1,80 m			
Load connections	A 700: 4 sockets IEC 320, 10 A ^{*)} , A 1000: 4 sockets IEC 320, 10 A ^{*)} , A 2000: 4 sockets IEC 320, 10 A ^{*)} , A 3000: 2 sockets IEC 320, 16 A ^{*)} , on the rear of the unit ^{*)} incl. output distribution 1,5 m (IEC 320 to 3-times Schuko)			
Dimensions				
Size (W x H x D in mm)	145 x 225 x 405		200 x 350 x 405	
Weight	11,5 kg	14 kg	33 kg	33 kg
Installation				
Installation altitude	Up to 1500 m above sea level at rated load			
Minimum fuse protection of the mains power supply	6 A	10 A	12 A	16 A
Accessories	Software for communication between computer and UPS Battery expansion for A1000 to A3000			

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