

MASTER
GUARD

MASTERGUARD UPS

Series A-19

0,7–3 kVA

Series
A-19







Series A-19, for 19 inch racks, provides effective on-line double-conversion protection to a variety of applications. Series A-19 can be installed anywhere, in conjunction with stand-alone PCs, servers, small networks or telecommunications applications.

Series A-19 offers flexible all-round protection against disturbances in the power supply network. This solution is composed of UPS units and battery packs, expandable according to your specific requirements and capable of integration within any standard 19 inch cabinet.



Modern electronics combined with an open concept: Siemens technology has been pointing the way for the past 35 years; this UPS combines the latest technology with total flexibility for future expansion. Series A-19 offers real on-line double conversion technology, or tailor-made battery power and performance, in compact 19 inch modules. The most up-to-date electronic components and a highly varied modular system ensure unrivalled operational safety and efficiency.

The ideal solution for the provision of power, back-up time and ease of installation. A feature that is unique to Series A-19 is the power, back-up time and ease of installation provided by a modular "fit". The series can be expanded with mounting units of 2 HU, enabling power levels of up to 3000 VA and backup times lasting hours. All this can be done easily and reliably and, what is more, Series A-19 is uniquely flexible, fitting into nearly all 19 inch racks thanks to a universal mounting kit.

MASTERGUARD Series A-19	A 700-19	A 1000-19	A 2000-19	A 3000-19		
Principle of operation	On-line double-conversion system, 19-inch rack system					
Rated power (cos $\varphi_{ind.} = 0,7$)	700 VA	1000 VA	2000 VA	3000 VA		
Input						
Voltage	Single-phase, 230 V					
Voltage range	160–276 V		184–276 V			
Frequency	50/60 Hz \pm 5% sinusoidal					
Power factor	0,95					
Battery						
Sealed lead-acid battery, integrated, maintenance-free						
Backup time at rated load						
Mounting height 2 HE,	6 min	7 min	–	–		
Mounting height 4 HE,	–	28 min	10 min	6 min		
Mounting height 6 HE,	–	48 min	24 min	14 min		
Mounting height 8 HE,	–	–	37 min	25 min		
Mounting height 10 HE,	–	–	53 min	32 min		
Mounting height 12 HE,	–	–	69 min	43 min		
Output						
Voltage	220, 230, 240 V (adjustable) \pm 3%					
Frequency	50 or 60 Hz					
Distortion factor	< 4% for linear load					
Safety						
Electrical safety	EN 50091-1, EN 60590, TÜV-GS, CB					
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					
Automatic bypass	integrated					
Display symbols						
	UPS fault	Mains	Battery capacity	Inverter	Bypass	Load
Interfaces						
Data communication	RS232 via Sub-D 9-pole/male or USB optional SNMP-adaptor card or contact signal card					
Mains connection	Schuko, at the unit: IEC 320, 10 A		Schuko, at the unit: IEC 320, 16 A			
Load connections	4 x IEC 320, 10 A		IEC 320, 16 A			
Dimensions						
Mounting depth w/o front handles	485 mm	485 mm	485 mm	485 mm		
Required height for UPS	2 HU	2 HU	2 HU	2 HU		
Required height for battery pack (BP)	–	–	2 HU	2 HU 2 HU		
Insertion/Withdrawal	L-frame rails (optional) for Knürr- or Rittal-19-inch cubicles					
Maximum configuration with appropriate battery packs (BP)	–	2 BP	5 BP	5 BP		
Weight UPS/appropriate BP (1unit)	15 kg/–	18/21.5 kg	11/27 kg	11/27 kg		
Accessories						
Software for communication between computer and UPS Universal mounting kit for 19-inch racks						

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MASTERGUARD GmbH
P.O. box 26 20
91014 Erlangen
Germany
www.masterguard.de

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MASTERGUARD