

MASTERGUARD UPS

Series E

6-10 kVA

Double protection with modern single-phase electronics. This UPS features the latest technology based on 35 years of experience - Siemens technology for single-phase units with all the advantages of modern electronics. Its simple control panel makes it easy to use and it comes with the Siemens guarantee for reliable protection. The availability and efficiency of the Series E units are unique. It is also accompanied by an appropriate services package, for example the turnaround service.



Flexibly expandable with a high degree of mobility. The Series E units can be expanded as required by simply adding battery packs. Even hour-long bridging times are quickly made possible by integrating up to two external modules. The integrated bypass is an additional guarantee of protection. And with their unique mobility, the units can be used locally - everywhere and immediately. They rest on rollers, are light and have compact dimensions, thus enabling them to be installed just about anywhere.

The Series E is the mighty turbo among the single-phase MASTERGUARD units. Perfect for relatively small computer centers and servers as well as for telecommunications and processes in industrial automation.

With their extremely fast and flexible safety technology, the double-conversion UPS units of Series E provide all-round protection against any kind of problem in the power supply. They have also proven their outstanding reliability in many high-end EDP applications.

Series
E

MASTERGUARD Series E	E 60	E 100
Principle of operation	Online double-conversion system	
Rated power (cos $\phi_{ind.} = 0,7$)	6.000 VA	10.000 VA
Input		
Rated voltage	230 V	
Voltage range, single-phase	170 – 276 V	176 – 276 V
Frequency	50/60 Hz \pm 5%, automatic frequency recognition	
Power factor	> 0,97	
Battery	Sealed lead-acid battery, maintenance-free	
Backup time with integrated battery at		
Half load	25 min	30 min
Rated load	8 min	12 min
with 1 external battery cabinet at		
Half load	94 min	95 min
Full load	38 min	45 min
with 2 external battery cabinets at		
Half load	–	240 min
Full load	–	110 min
Output	Single-phase	
Voltage	208, 220, 230 , 240 V (adjustable)	
Frequency	50 or 60 Hz (same as input frequency)	
Static voltage tolerance	\pm 3%	
Frequency tolerance, normal operation	Output synchronized with the supply frequency	
Frequency tolerance, power failure	\pm 0,5% (internal frequency generator)	
Resistance to short-circuits/overload rating	130% of the rated load for 2 sec 110% of the rated load for 10 sec Short-circuit proof	
Distortion coefficient	< 4% for linear load, < 7% for non-linear load	
Crest factor	3	
Automatic bypass	Integrated	
Safety		
Electrical safety	EN 50091-1	
RFI class	EN 50091-2	
Test certificates	TÜV, GS seal	
Permissible ambient temperature		
during operation	+ 10 °C to + 40 °C	
during storage	- 15 °C to + 40 °C	
Relative humidity	20 to 90%, no condensation	
Noise level in dB (A)	\leq 50	\leq 55
Interfaces		
Data communication	COM; Sub-D 9-pin, male (RS232, indications) (Option: plug-in card)	
Mains power connection	Direct-wired connection	Direct-wired connection
Load connections	Direct-wired connection and 2 IEC 320 sockets, 16 A with grounding-outlet distributors	
Dimensions		
Size (W x H x D in mm)	270 x 705 x 570	340 x 965 x 645
Weight	90 kg	180 kg
Minimum fuse protection of the mains supply	35 A	63 A
Accessories	<ul style="list-style-type: none"> – Software for communication between computer and UPS – Battery expansion module (BP), SNMP adapter – Manual bypass switch 	

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