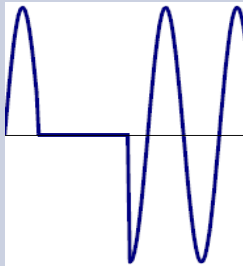


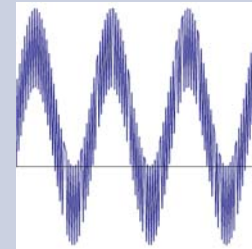
Uninterruptible Power Supplies

UPS Minicompact

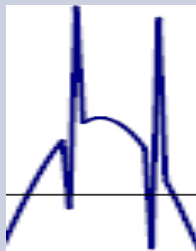
Effective protection by
ON-LINE operation



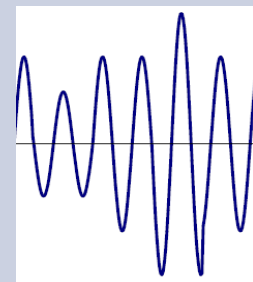
AC mains failures



Low- and high-
frequency
interferences



Transients



Voltage
and frequency
variations

Special features

- compact dimensions
- low weight
- silent operation for use in offices
- communication interface RS232, USB
- electronic bypass



GUSTAV KLEIN
POWER SUPPLIES - since 1948

Technical Data Minicomact L.Nr. 4601

19" Rack version	Type	MR-1000-1	MR-2000-1	MR-3000-1	MR-6000-1	MR-10000-1
Tower version	Type	M-1000-1	M-2000-1	M-3000-1	M-6000-1	M-10000-1
Technic	real on-line operation according to EN 50091-3 (VFI-SS-111)					
Output wave form	sinewave					
Quantity of phases	single-phase					
UPS input						
Maximum Capacity	VA / W	1000 / 700	2000 / 1400	3000 / 2100	6000 / 4200	10000/7000
AC mains voltage	230 V AC					
Voltage range	160 ~ 300 V AC			170 ~ 285 V AC		
Input frequency	50 / 60 ± 4 Hz					
Input power factor	≥ 0,95					
Short circuit protection on input mains	MCB					
UPS output						
DC mains voltage	230 AC					
Output voltage control	± 2 %			± 1 %		
Output T.H.D with non-linear load	≥6%	≥7%			≥6%	
Efficiency	%	85	85	88	89	
Crest factor	3 : 1					
Start from batteries (without mains help)	yes					
Output frequency	50 Hz ± 0,2 Hz			50 Hz ± 0,5 Hz		
Battery						
Autonomy time (full-load) Tower Version	min.	6,10,20,34 60,114	10,15,30,65 125	5,15,30,55 77	8,11,22,39 72	5,27,55
Autonomy time (full-load) 19" Rack Version	min	6,11,18,32 45,60	10,25,45	5,15,22,40	8,20,30	5,15,25
Battery type	maintenance free battery 12 V DC					
Quantity of batteries	3 blocs		8 blocs		20 blocs	
Charging time up to 90 % capacity	h	7			8	
Diagnostics						
LCD display	UPS Status, I/P Voltage & frequency, O/P voltage & frequency, battery voltage, battery capacity, load in %, temperature, event memory					
Signal by LED	normal (green), attention (yellow), error (red)					
acoustic alarms	battery operation, battery voltage low, overload, error					
Communication						
Communication interface	RS 232/USB (standard) or DB9 or AS400 or SNMP/HTTP (optionally)					
SNMP compatible	yes					
Ambient Data						
Permissible ambient temperature	0 – 40°C					
Storage temperature	-15° C up to 50°C					
Permissible relative humidity	20 % up to 90 % non-condensing					
Acoustic noise (in 1 m distance of the UPS)	< 45 dBA	< 50 dBA	< 55 dBA			
Mechanical Data Tower version						
Dimensions (W x H x D mm)		160 x 220 x 400	200 x 352 x 450		260 x 717 x 570	
Weight with batteries	kg	15	34	35	90	93
Mechanical Data Rack version						
		MR-1000-1	MR-2000-1	MR-3000-1	MR-6000-1	MR-10000-1
Height	mm	2 RU	2 x 2 RU	2 x 2 RU	2 RU + 3 RU	2 x 3 RU
Width	mm	19"/483	19"/483	19"/483	19"/483	19"/483
Depth	mm	470	470	470	680	680
Weight	kg	15	35	36	93	96
Extended autonomy time	autonomie extension possible					

03/2012

Modifications subject to change

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