



**EDELSTROM –  
DIE NEUEN  
ONLINE-DAUERWANDLER  
VON MULTIMATIC**

## MEDISAFE AC/AC

**multimatic**  
DIE USV-SPEZIALISTEN

MODEL Technical characteristic		Medisafe 600	Medisafe 1300	Medisafe 1600	Medisafe 2000	Medisafe 2500	Medisafe 3000
POWER	Starting power for 5 seconds	1000W	1500W	2000W	2500W	3500W	4000W
	Output current (linear load))	2A	4A	5A	6A	7,5A	9A
	Active rated power	460W	920W	1150W	1380W	1725W	2070W
	Apparent rated power ( cosφ 0.7)	600VA	1300VA	1600VA	2000VA	2500VA	3000VA
INPUT	Voltage range	Single-phase 230Vac +/-20%					
	Frequency range	50Hz +/-5% (maximum speed 0,5Hz second)					
	Mains separation	Toroidal transformer with 6000V of galvanic insulation and electrostatic shield between primary and secondary winding					
	Protections	Magnetot. Switch 6A	Magnetot. switch 10A			Magnetothermic switch 16A	
	Connections	Integrated schuko cable					
	Limit-in	Input current limit					
OUTPUT	Voltage (V)	230Vac single-phase					
	Frequency	50Hz +/- 0,01% (mains phased)					
	Load separation	Toroidal transformer with 4000V of galvanic insulation					
	Wave	Sine wave form generated from mains phased microprocessor					
	Soft-start	Standard					
	Connections	1 multistandard socket (different configuration on request)					
	Electric protection	Earth leakage switch 30mA					
	Electronic protection	Overload and short-circuit					
	Linear load distortion	<5%					
	Non linear load distortion	<8%					
	Static voltage variation	<1%					
Dynamic voltage variation	+/- 3%						
BY-PASS	Static switch by-pass	With 6000V of galvanic insulation and electrostatic shield					
TECHNOLOGY	On-line	Microprocessor double conversion PWM					
	Inverter	Security Extra Low Voltage "SELV"					
	Switching time	No switching time					
	Inverter efficiency	>82%					
BATTERIES	Voltage	24V				48V	
	Battery type	2x12Ah	4x7,5Ah			8x7,5Ah	
	Expected life	10 years					
	Battery fuses	32A	32AT			22x58 50AT	22x58 80AT
	Maximum recharge current	0.7A	1,2A			1,8A	
	Removable battery box	yes					
	User-replaceable	yes					
SEGNALLING	Typical back up time	15 min.	10 min.			15 min.	10 min.
	Optic and acoustic	Mains present, battery functioning, low batteries, danger temperature, over temperature, overload and short-circuit					
	Remote contacts	(EPO) on/off – mains failure, battery low, general alarm (over temperature, battery status, overload/short circuit)					
ENVIRONMENTAL CONDITIONS	Stocking temperature	-10°C a +60°C					
	Functioning temperature	0°C a +45°C					
	Noise level	<10db				<35db	
CABINET	Tower	245x560x480h					
	Rack	To define on the battery type					
	Wall mounted	To define on the battery type					
	Weight Kg.	30	35	38	45	55	60



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MODEL Technical characteristic		Medisafe 3500	Medisafe 4000	Medisafe 5000	Medisafe 6000	Medisafe 7200	Medisafe 9000
POWER	Starting power for 5 seconds	4500W	5000W	6000W	7000W	8000W	10000W
	Output current (linear load))	11A	12,5A	15A	18A	22A	30A
	Active rated power	2530W	2875W	3450W	4140W	5060W	6900W
	Apparent rated power ( cosφ 0.7)	3500VA	4000VA	5000VA	6000VA	7200VA	9000VA
INPUT	Voltage range	Single-phase 230Vac +/-20%					
	Frequency range	50Hz +/-5% (maximum speed 0,5Hz second)					
	Mains separation	Toroidal transformer with 6000V of galvanic insulation and electrostatic shield between primary and secondary winding					
	Protections	Magnetohermic switch 16A		Magnetot. switch 20A	Magnetot. switch 25A	Magnetot. switch 32A	Magnetot. switch 40A
	Connections	Integrated schuko cable			Terminal block		
	Limit-in	Input current limit					
OUTPUT	Voltage (V)	230Vac single-phase					
	Frequency	50Hz +/- 0,01% (mains phased)					
	Load separation	Toroidal transformer with 4000V of galvanic insulation					
	Wave	Sine wave form generated from mains phased microprocessor					
	Soft-start	Standard					
	Connections	1 multistandard socket (different configuration on request)					
	Electric protection	Earth leakage switch 30mA					
	Electronic protection	Overload and short-circuit					
	Linear load distortion	<5%					
	Non linear load distortion	<8%					
	Static voltage variation	<1%					
	Dynamic voltage variation	+/- 3%					+/-5%
	BY-PASS	Static switch by-pass	With 6000V of galvanic insulation and electrostatic shield				
TECHNOLOGY	On-line	Microprocessor double conversion PWM					
	Inverter	Security Extra Low Voltage "SELV"					
	Switching time	No switching time					
	Inverter efficiency	>82%					
BATTERIES	Voltage	48V					
	Battery type	8x7,5Ah		4x26Ah		4x40Ah	4x55Ah
	Expected life	10 years					
	Battery fuses	22x58 80AT		22x58 100AT		22x58 125AT	
	Maximum recharge current	1,8A				<6A	
	Removable battery box	SI					
	User-replaceable	SI					
SEGNALLING	Typical back up time	15 min.	10 min.	15 min.	12 min.	15 min.	10 min.
	Optic and acoustic	Mains present, battery functioning, low batteries, danger temperature, over temperature, overload and short-circuit					
	Remote contacts	(EPO) on/off – mains failure, battery low, general alarm (over temperature, battery status, overload/short circuit)					
ENVIRONMENTAL CONDITIONS	Stocking temperature	-10°C a +60°C					
	Functioning temperature	0°C a +45°C					
	Noise level	<42 db			<37 db		<47db
CABINET	Tower	245x560x480h		357x780x720h			
	Rack	To define on the battery type					
	Wall mounted	To define on the battery type					
	Weight Kg.	70	80	70+50	77+50	85+70	100+110