

# MTD-series



Right: MTD 3000  
Middle: MTD 1500/2000  
Left: MTD 700/1000

## Description

The MTD is EFFEKTA®'s further development of the range of line-interactive MT-series.

It protects sensitive consumers from power blackouts, spikes and other disruptions. Areas of application are computers, remote telecommunications and other computer-aided systems.

The unit's compact and stable construction has been complemented by a convenient LCD display for easier operation.

Optionally, an XL version is available whose backup time can be extended with external battery packs

## Features

- UPS-classification VI-SS-311 in accordance with IEC 62040-3
- Line-interactive-technology
- User-friendly LCD-display
- Sine wave output
- Microprocessor controlled
- Automatic frequency detection
- Equipped with RS-232 port as standard
- Slot for optional adapters: relay-card, opto-coupler, USB or SNMP
- Management software for all common OS
- 24 months' warranty



Leftmost:  
control panel MTD 700-2000

Left:  
control panel MTD 3000



MTD is equipped with a RS 232 slot interface, which can be replaced with optional adapters: relay-card, opto-coupler, USB or SNMP.



Left: rear view of MTD 700/1000/1500

Middle: rear view of MTD 2000

Right: rear view of MTD 3000

# Specifications

Model		MTD 700	MTD 1000	MTD 1500	MTD 2000	MTD 3000
Power	Power in VA	700	1000	1500	2000	3000
	Power in W	438	625	938	1250	1875
Autonomy time	100% load	8min	6min	6min	4min	5min
	50% load	21min	15min	15min	9min	11min
Input	Nominal load	230VAC				
	Nominal input voltage	170-300VAC				
	Input frequency range	45-70Hz Auto Sensing				
	Boost starting value / shut-off	195.5VAC ± 2% / 205.5VAC ± 2%				
	Buck starting value / shut-off	264.5VAC ± 2% / 254.5VAC ± 2%				
	Undervoltage warning value / all-clear	170VAC ± 2% / 180VAC ± 2%				
	Overvoltage warning value / all-clear	300VAC ± 2% / 290VAC ± 2%				
Output	Output voltage	Adjustable on LCD-display 220, 230, 240VAC				
	Voltage tolerance	Line Mode	±15%			
		Battery Mode	<3% RMS			
	Frequency tolerance	Line Mode	50Hz or 60Hz			
		Battery Mode	±0.1Hz			
	Power factor	0.625				
	Voltage form	Sine-wave				
Efficiency	>80%					
DC start-up	black start	Yes				
Switch time	typical	<4msec.				
Battery	Nominal voltage	24VDC	24VDC	36VDC	36VDC	72VDC
	Blocks x nominal capacity / block	2 x 7Ah	2 x 9Ah	3 x 9Ah	3 x 9Ah	6 x 7Ah
	Type	Maintenance free sealed lead-acid battery				
	Life time	5 years, optional 10 years				
Display	Recharge time	~5 h at 90%				
	LCD	UPS status, I/P&O/P Voltage & Frequency, Load %, Battery Voltage %, Temperature				
	LED	Normal (green) / Warning (yellow) / Fault (red)				
Audible alarm	Battery Mode	Beeping every 4 seconds				
	Battery Low	Beeping every second				
	fault	Beeping continuously				
Interface	overload	Beeping twice per second				
	Slot card	Standard with RS 232-interface				
		Optional cards: USB, relay, AS400, SNMP, Modbus				
Environment	Temperature	0°C - 40°C				
	Humidity	0-95% non-condensing				
	Operating height	<2000 above sea level				
	Acoustic Noise	fanless cooling		<55dBA @ 1m		
Mechanic	Casing	Steel plate-tower / front plastic				
	Protection class	IP 20				
	Dimensions (H x W x D in mm)	238 x 160 x 380	238 x 160 x 380	238 x 160 x 425	210 x 160 x 425	238 x 130 x 465
	Weight	9,5 kg	13,6 kg	17,8 kg	20,6 kg	37,9 kg
Terminals	Input	1 x IEC (10A)				
	Output	3 x IEC			6 x IEC	
	DC-connection (for battery extension)	only XL-versions				
Safety/Enclosure	Standards	EN62040-1-1				
	EMC	EN62040-2				
	Norms	CE				