

# MTD-RM series

**NEU / NEW**  
**3000 VA Version**

1000, 1500, 2000VA, 3000VA

19" Rackmountable

upper model:  
MTD 1000/1500 RM  
middle model:  
MTD 2000 RN  
bottom model:  
MTD 3000 RM



## Description

The MTD is EFFEKTA®s' further development of the 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.

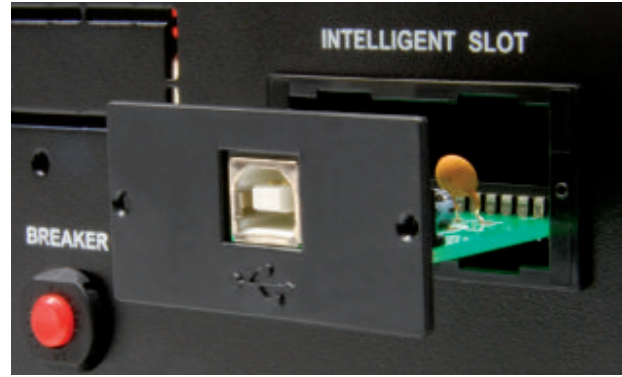
## Features

- UPS-classification VI-SS-311 in accordance with IEC 62040-3
- Line-interactive-technology
- User-friendly LCD-display
- Compact design: only 1U (1000/1500 VA), 2U (2000 VA) and 3U (3000VA)
- Sine wave output
- Automatic frequency detection
- Equipped with RS-232 port as standard
- Slot for optional adapters: relay-card, opto-coupler, USB or SNMP
- Software-Suite "PowerShut" for UPS Management in almost all current operating systems
- 24 months' warranty

Option: XL-Version with an possibility for easy extension of the autonomy time through external battery packs

Left picture: clearly arranged control panel with back lighted LCD display (2000/3000VA model)





MTD RM is one of the most compact 19" line-interactive UPS systems in this power stage: 1U (1,0/1,5kVA, upper picture), 2U (2kVA, middle) and 3U (3kVA, bottom picture)

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

# Specifications

Model		MTD 1000 RM	MTD 1500 RM	MTD 2000 RM	MTD 3000 RM
Power	Power in VA	1000	1500	2000	3000
	Power in W	625	938	1250	1875
Autonomy time	100 % load	3min	2min	4min	3min
	50 % load	8min	5min	9min	6min
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	< 4msek.			
battery	Nominal voltage	24VDC	24VDC	36VDC	36VDC
	Blocks x nominal capacity/block	4 x 6V / 7Ah	4 x 6V / 7Ah	3 x 12V / 9Ah	2 x 3 x 12V / 7Ah
	Type	Maintenance free sealed lead-acid battery			
	Life time	5 years, optional 10 years			
	Recharge time	5 h auf 90%			
Display	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	Beep continuously			
	overload	Beeping twice per second			
Interface	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	< 2000m above sea level			
	Acoustic Noise	< 55dBA @ 1m			
Mechanic	Casing	Steel plate-tower / front plastic			
	Protection class	IP 20			
	Dimensions (H x W x D in mm)	44 (1U) x 440 (19") x 515	44 (1U) x 440 (19") x 515	88 (2U) x 440 (19") x 465	133 (3U) x 440 (19") x 465
	Weight	18kg	20.2kg	24.5kg	36.9kg
Terminals	Input	1 x IEC (10A)		1 x IEC (16A)	
	Output	5 x IEC	5 x IEC	6 x IEC	10 x IEC
	DC-connection (for battery extension)	only XL-versions			
Safety/Enclosure	Standards	EN62040-1-1			
	EMC	EN62040-2			
	Norms	CE			