

# Line-Interactive MTD-RM series

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



## ■ Rear view



MTD RM 1U (700-1500) or 2U (2000 VA)



MTD RM 3U (3000 VA)

## Options for extended communication and maximum availability:

- SNMP/web or relay card for monitoring in network environments
- External manual bypass for planned UPS maintenance work or replacement of the UPS unit without shutting it down

## Characteristics

- UPS-classification VI-SS-311 (IEC 62040-3)
- Line-interactive technology
- User-friendly LCD-display
- Compact design: only 1U (700/1000/1500VA), 2U (2000VA) 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
- Management software
- 24 months' warranty

## Specifications

MTD		700 RM	1000 RM	1500 RM	2000 RM	3000 RM
Power	Power in VA	700	1000	1500	2000	3000
	Power in W	438	625	938	1250	1875
Autonomy time	With internal batteries in minutes 100% / 50% load (cos. phi 0,7)	4 / 9	3 / 8	2 / 5	4 / 9	3 / 6
Technology	Line-Interactive	VI-SS-311 in accordance with IEC 62040-3				
Phase	Input / Output	1-phase / 1-phase				
Input	Rated Voltage	230 VAC				
	Input voltage range	170-300 VAC				
	Input frequency range	50/60 Hz (Auto-Sensing)				
Output	Output voltage	220/230/240 VAC				
	Voltage Regulation	±15%				
	Frequency Range	50 Hz oder 60 Hz ± 1 Hz				
	Transfer time	2-6 ms typical / 10 ms max.				
	Overload Capability (Line Mode)	< 120% 5 min.				
	Overload Capability (Battery Mode)	< 110% 1 min.				
Efficiency	Voltage form	sine wave				
	Utility mode	max. 97 %				
Battery	Type	Maintenance free lead-acid battery				
	Life time	5 years, optional 10 years				
	Charging current (max)	2,5 A				
	Recharging time	ca. 5 h / 90% capacity				
Communication	Interface	RS232				
	Slot for further communication cards	Optional relay contacts or SNMP card				
	Display	LC-Display				
Dimensions / Weight	Dimensions (H x W x D in mm)	44 (1U) x 440 x 515			88 (2U) x 440 x 465	133 (3U) x 440 x 465
	Weight (UPS)	18 kg	20,2 kg	24,5 kg	36,9 kg	
	Protection	IP 20				
Terminals	Input	IEC (10 A)			IEC (16 A)	
	Output (10 A)	5 x IEC C13			6xIEC C13	8xIEC C13
Environmental conditions	Temperature	0°C – 40°C, 20°C recommended				
	Humidity	0-90 % RH @ 0-40°C (non condensing)				
	Acoustic Noise	< 55 dB				
Safety / Enclosure	Safety	EN 62040-1				
	EMC	EN 62040-2, class C2				
	Certifications	CE				