

MTD-RM series

UPS line-interactive
700, 1000, 1500, 2000VA, 3000VA
19" rackmountable

NEU / NEW
700 VA Version

Right picture
Top: MTD 700/1000/1500 RM
Middle: MTD 2000 RM
Bottom: MTD 3000 RM



Description

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.

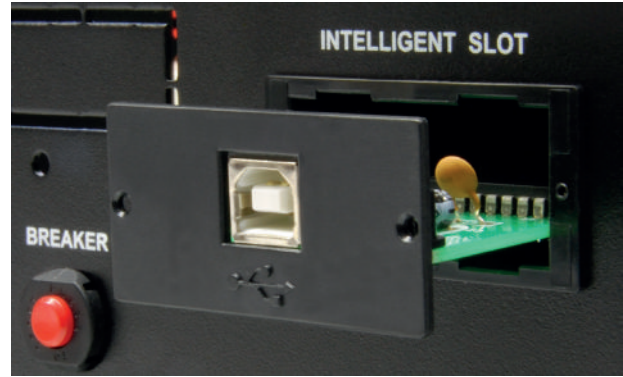


Features

- UPS-classification VFI-SS-311 in accordance with 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
- Software-Suite "PowerShut" for UPS Management in almost all current operating systems
- 24 months' warranty

Option: XL-Version with the 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 range: 1U (700/1000/1500kVA, upper picture), 2U (2000kVA, middle) and 3U (3000kVA, 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 700 RM	MTD 1000 RM	MTD 1500 RM	MTD 2000 RM	MTD 3000 RM
Power	Power in VA	700	1000	1500	2000	3000
	Power in W	438	625	938	1250	1875
Autonomy time	100 % load	4min	3min	2min	4min	3min
	50 % load	9min	8min	5min	9min	6min
Input	Nominal input voltage	230VAC				
	Input voltage range	170-300VAC				
	Input frequency range	45-70Hz Auto-Sensing				
	Boost starting value / shutt-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	36VDC
	Blocks x nominal capacity/block	4 x 6V / 7Ah	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	44 (1U) x 440 (19") x 515	88 (2U) x 440 (19") x 465	133 (3U) x 440 (19") x 465
	Weight	18kg	18kg	20.2kg	24.5kg	36.9kg
Terminals	Input	1 x IEC (10A)			1 x IEC (16A)	
	Output	5 x IEC	5 x IEC	5 x IEC	6 x IEC	10 x IEC
Safety/Enclosure	Standards	EN62040-1-1:2003				
	EMC	EN62040-2:2006				
	Norms	CE				