

MTD-RM series

NEU / NEW

1000, 1500, 2000VA

19" Rackmountable



upper model:
MTD 1000/1500 RM
bottom model:
MTD 2000 RM

Description

The MTD-RM 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 VFI-SS-311 in accordance with IEC 62040-3
- Line-interactive-technology
- User-friendly LCD-display
- Compact design: only 1U (1000/1500 VA) and 2U (2000 VA)
- 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
- 36 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 VA model)





MTD-RM is with its 1U (1000 and 1500VA, upper picture) and 2U (2000VA, bottom picture) one of the most compact 19" line-interactive UPS systems in this power stage.



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
Power	Power in VA	1000	1500	2000
	Power in W	625	938	1250
Autonomy time	100% load	3min	2min	4min
	50% load	8min	5min	9min
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	36VDC
	Blocks x nominal capacity / block		4 x 6V / 7Ah	3 x 12V / 9Ah
	Type		Maintenance free sealed lead-acid battery	
	Life time		5 years, optional 10 years	
	Recharge time		5h at 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		
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	< 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	88 (2U) x 440 (19") x 465	
	Weight	18kg	24.5kg	
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		