

Online double conversion MKD-RT, 6-10 kVA

The compact MKD-RT models with 6 and 10kVA offer high power in a small space. It's already equipped with extensive and specific features, which are usually provided in the UPS market by most expensive special UPSs. The programmable switch contacts, or the adjustable restart function are just two of countless examples.

The XL versions also offer the possibility of battery extension.



■ Details



MKD RT 10 kVA



MKD RT 6 kVA

With existing standard RS232 and USB interface as well as standard emergency contact (EPO).

Options for extended communication and maximum availability:

- SNMP/web or relay card for monitoring in network environments
- Additional battery modules to provide an uninterruptible power supply for up to several hours
- External manual bypass for planned UPS maintenance work or replacement of the UPS unit without shutting it down
- Extended warranty arrangements
- Customer-oriented individual service and maintenance contracts

Characteristics

- UPS Classification VFI-SS-111 (IEC 62040-3)
- Online double conversion
- Can be used as tower as well as 19"-unit
- User-friendly rotating LCD display
- Optional XL version with expandable batteries
- Wide input voltage range (120-276VAC)
- Excellent power factor of 0.9
- Hot-Swap: Batteries can be replaced while the system is operating
- With sinusoidal output switchable to ECO mode
- Microprocessor controlled
- Automatic frequency detection
- Output frequency preset
- Extensive communication & control
- Emergency power-off „EPO“ as standard
- Slot for another optional adapter
- Management software
- 24 months' warranty

Specifications

MKD		6 kVA RT	10 kVA RT
Power	Power in VA	6000	10000
	Power in W	5400	9000
Autonomy time 100% / 50% load (cos. phi 0,7)	With internal batteries in minutes	4 / 9	5 / 11
	Internal batteries + 1 x battery pack	20 / 42	17 / 36
	Longer autonomy times on request (XL)		
Technology	Online double conversion	VFI-SS-111 in accordance with IEC 62040-3	
Phase	Input / Output	1-phase / 1-phase	
Input	Nominal voltage	220/230/240 VAC	
	Input voltage range	120-276 VAC	
	Input frequency range	50/60 Hz (Auto-Sensing)	
	Output		
Output	Output voltage	220/230/240 VAC	
	Voltage Regulation	±1%	
	Frequency Range	50 Hz or 60 Hz ± 1 Hz	
	Transfer time	none	
	Overload Capability (Line Mode)	< 130%: 2 min. / < 150%: 30 sec.	
	Voltage form	Sine wave	
	Efficiency	ECO mode	Max. 97%
Battery	Type	Maintenance free lead-acid battery	
	Life time	5 years, optional 10 years	
	Charging current (max)	1,0 A Standard / 8 A XL-Version	1,7 A Standard / 8 A XL-Version
	Recharging time	ca. 6 h / 80% capacity / XL depending on the equipment	
Communication	Interface	RS232, USB, EPO, Parallelport	
	Slot for further communication cards	Optional relay contacts or SNMP card	
	Display	LC-Display	
	Parallel switching	Max. 2 systems for redundancy or to boost performance	
Dimensions / Weight	Dimensions UPS (H x W x D in mm) as a 19" installation variant	3U x 438 x 725	5U x 438 x 732
	Dimensions of battery extension (H x W x D in mm) optional	3U x 438 x 589	3U x 438 x 624
	Weight UPS (Standard / XL)	46 kg / 19 kg	82,5 kg / 26 kg
	Weight battery pack	depending on the quantity of batteries	
	Protection	IP 20 (optionally higher protection class possible)	
Terminals	Input	Fixed connection on terminals	
	Output Standard	4 x IEC C13 (10 A) / 2 x IEC C19 (16 A)	8 x IEC C19 (16 A)
	Output XL	2 x IEC C13 (10 A) / 2 x IEC C19 (16 A)	2 x IEC C19 (16 A)
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 C3	
	Certifications	CE	