

Online double conversion MCI series

The MCI is EFFEKTA®'s newest online double-conversion UPS with power factor 0.9. It is equipped with an electronic bypass and is to be applied with supersensitive and critical applications like servers, workstations, measurement technology or industrial plants

For full control and monitoring, it provides each one USB and RS232 interface and can be supplemented via its slot by optional communication cards.

All models can be extended in the autonomy time through external battery packs. The XL versions increase this possibility by larger chargers.



■ Rear view



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

Characteristics

- UPS Classification VFI-SS-111 (IEC 62040-3)
- Online double-conversion
- All models with expandable batteries
- XL version with stronger charger
- Wide input voltage range (110-300VAC)
- Excellent power factor of 0.9
- Microprocessor controlled
- Automatic frequency detection
- With sinusoidal output switchable to ECO mode
- USB and RS232 as standard
- Slot for another optional adapter
- Management software for all popular OS
- 24 months' warranty

Specifications

MCI		700	1000	2000	3000
Power	Power in VA	700	1000	2000	3000
	Power in W	630	900	1800	2700
Autonomy time 100% / 50% load (cos. phi 0,7)	With internal batteries in minutes	11 / 25	7 / 15	7 / 15	6 / 13
	Internal batteries + 1 x battery pack	40 / 84	26 / 55	35 / 74	23 / 48
	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	110-300 VAC			
	Input frequency range	50/60 Hz (Auto-Sensing)			
Output	Output voltage	220/230/240 VAC			
	Voltage Regulation	±2%			
	Frequency Range	50 Hz or 60 Hz ± 1 Hz			
	Transfer time	none			
	Overload Capability (Line Mode)	< 110% für 1 min. / < 150% für 30 sec.			
Efficiency	Voltage form	sine wave			
	ECO mode	max. 94 %			
Battery	Type	Maintenance free lead-acid battery			
	Life time	5 years, optional 10 years			
	Charging current (max)	1,5 A Standard / 8 A XL-Version			
Communication	Recharging time	ca. 6 h / 90% capacity / XL depending on the equipment			
	Interface	RS232, USB, EPO			
	Slot for further communication cards	Optional relay contacts or SNMP card			
Dimensions / Weight	Display	LC-Display			
	Dimensions (H x W x D in mm)	220 x 145 x 400		347 x 192 x 460	
	Dimensions of battery extension (HxBxT in mm) optional	220 x 145 x 400		347 x 192 x 460	
	Weight USV (Standard / XL)	13 kg / 7 kg		31 kg / 13 kg	
	Weight battery pack	depending on the quantity of batteries			
Terminals	Protection	IP 20 (optionally higher protection class possible)			
	Input	IEC (10 A)		IEC (16 A); MCI3000XL (hard wired)	
	Output	3 x IEC C13 (10 A)		6 x IEC C13 (10 A)	4 x IEC C13 (10 A) 1 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	< 50 dB			
Safety / Enclosure	Safety	EN 62040-1			
	EMC	EN 62040-1			
	Certifications	CE			