

MCI-Series

On-line double conversion
700, 1000, 2000, 3000VA
With expandable batteries
Power factor 0.9



Left to right:
MCI 700/1000
MCI 2000/3000
Battery extension 96 VDC
(others on request)

Description

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 for optional communication cards.

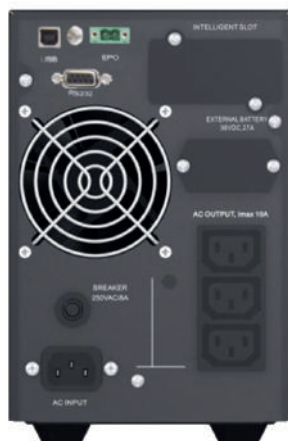
All models can be extended in the autonomy time through external battery packs. The XL versions increase this possibility by larger chargers.



Properties

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

Left: The clear backlit LCD display shows all the important information about the operating status of the UPS at a glance.



Rear view MCI 700/1000



Rear view MCI 2000



Rear view MCI 3000

Specifications

Model	MCI 700		MCI 1000		MCI 2000		MCI 3000		
	Standard	XL	Standard	XL	Standard	XL	Standard	XL	
Power	Power(VA) max	700	1000	2000	3000				
	Power(W) max	630	900	1800	2700				
Back-up time (expandable)	@ 100% load (pf 0,7)	> 11min.	dep. on bat. layout	> 7min.	dep. on bat. layout	> 7min.	dep. on bat. layout	> 6min.	dep. on bat. layout
	@ 50% load (pf 0,7)	app. 20min.		app. 18min.		app. 18min.		app. 12min.	
Input	Cold Start	yes, default frequency=50Hz							
	Acceptable Input Voltage	110VAC - 300VAC							
	Adjustable Bypass Voltage	110VAC - 276VAC							
	THDi	<5% with full load							
	Input Power Factor	≥0.99 (FULL RCD LOAD)							
Output	Output Voltage	Waveform	Pure sine wave						
		Nominal voltage	200VAC / 208VAC / 220VAC / 230VAC / 240VAC / ±2%						
		Transient recovery	100ms (IEC 62040-3 non-linear load)						
		Voltage distortion	<3% THD, linear load / <5% THD, non-linear load						
	Output Frequency	Synchronization range	45-55Hz / 54-66Hz (adjustable)						
		Battery mode	50/60±0.2Hz						
	Power Factor	0.9							
	Transfer Time	Line to battery mode	0ms						
		Inverter to bypass	4ms @ ECO mode						
		ECO to Inverter mode	<10ms						
Full Load Efficiency	Line mode	>88% with battery fully charged							
	Battery mode	>85% @ 12VDC / battery							
	ECO mode	>94%							
Overload Capability (Line Mode)	105% ~ 110% : 1min / 110% ~ 125% : 30s / 125% ~ 150% : 10s / > 150% : 1s								
Overload Capability (Battery Mode)	105% ~ 110% : 1min / 110% ~ 125% : 30s / 125% ~ 150% : 10s / > 150% : 1s								
Battery	Battery type	12 VDC / 7 Ah (XL 9 Ah) (Sealed maintenance free lead acid batteries)	12 VDC / 7 Ah (XL 9 Ah) (Sealed maintenance free lead acid batteries)	12 VDC / 7 Ah (XL 9 Ah) (Sealed maintenance free lead acid batteries)	12 VDC / 7 Ah (XL 9 Ah) (Sealed maintenance free lead acid batteries)				
	Quantity	3	div. bat. layout	3	div. bat. layout	8	div. bat. layout	8	div. bat. layout
	DC Voltage	36VDC		36VDC		96VDC		96VDC	
	Charging time	<5h charge to 90% (XL-models depending on assembly)							
	Charging current (max)	1A	8A	1A	8A	1A	8A	1A	8A
Communication	Integrated	USB, RS232							
	Optional cards	Intelligent Slot for AS 400, SNMP, Opto-coupler							
Indicator & Alarm	Display	LCD							
	Acoustic	Yes							
Mechanical	Dimensions (HxWxD in mm)	UPS	220x145x400				347x192x460		
		Battery pack	220x145x400				347x192x460		
	Weight	UPS	13kg	7kg	13kg	7kg	31kg	13kg	31kg
		Battery pack max.	div.	div.	div.	div.	div.	div.	div.
	Protection	IP20							
Operating Temperature Range	0°C ~ 45°C								
Humidity	0 ~ 95% (no condensing)								
Audible Noise	app. 50dB @ 1meter								
Standards	Safety	EN 62040-1							
	EMC	EN 62040-2 class C1							
	Certifications	CE							