

# AC large UPS

## TRITON M3

With the TRITON EFFEKTA® offers a modern, modular design, online double-conversion UPS with 3-phase input & output.

For simple commissioning, operation and maintenance of all controls, ports and the module are accessible from the front.



### ■ Details



Modules accessible from the front

#### 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 with sinusoidal output
- Easy maintenance through modular design
- High efficiency (up to 95%)
- Switchable to ECO mode (> 98%, line-interactive)
- High output power factor (0,9)
- Temperature-controlled fan
- 100% suitable for load imbalances
- Programmable maintenance management
- Extensive communication interfaces
- 24 months warranty

## ■ Specifications

TRITON M3		120 kVA	160 kVA	200 kVA
Power	Power in VA	120	160	200
	Power in W	108	144	180
Autonomy time 100% / 50% load (cos. phi 0,7)	With internal batteries in minutes	7 / 17	9 / 19	6 / 13
	Longer autonomy times on request			
Technology	Online double conversion	VFI-SS-111 in accordance with IEC 62040-3		
Phase	Input / Output	3-phase / 3-phase		
Input	Nominal voltage	380/400/415 VAC		
	Input voltage range	208-478 VAC		
	Input frequency range	50/60 Hz (Auto-Sensing)		
	Circuit feedback THDI	< 2%		
Output	Output voltage	380/400/415 VAC		
	Voltage Regulation	±1%		
	Power factor	0,9		
	Frequency Range	50 Hz or 60 Hz ± 1 Hz		
	Transfer time	none		
	Overload Capability (Line Mode)	< 125%: 10 min. / < 150%: 1 min.		
	Voltage form	sine wave		
Efficiency	Normal mode / ECO mode	max. 95 % / 98 %		
Battery	Type	Maintenance free lead-acid battery		
	Life time	10 years		
	Charging current (max)	30 A	40 A	50 A
Communication	Recharging time	5 h, dependent on accumulator capacity		
	Interface	USB, RS232, RS485, EPO, REPO dry contact, Temp. sensor contact		
	Communication cards	Optional relay contacts or SNMP card		
	Slot for communication cards	2		
	Display	multi language LC-Display		
Dimensions / Weight	Parallel switching	Max. 4 systems for redundancy or to boost performance		
	Dimensions UPS (H x W x D in mm)	1600 x 600 x 850		
	Weight UPS (without accumulators)	345 kg	379 kg	413 kg
	Dimensions battery cabinet with standard configuration (H x W x D in mm)	2000 x 600 x 1100		
Terminals	Weight battery cabinet with standard configuration	1421 kg	2 x 1076 kg	2152 kg
	Protection	IP 20 (optionally higher protection class possible)		
	Input	Fixed connection on terminals		
Environmental conditions	Output	Fixed connection on terminals		
	Temperature	0°C – 40°C, 20°C recommended		
	Humidity	0-90 % RH @ 0- 40°C (non condensing)		
Safety / Enclosure	Acoustic Noise	< 70 dB		
	Safety	EN 62040-1		
	EMC	EN 62040-2, class C3		
	Certifications	CE		