



ALPHA
OUTBACK
ENERGY

Tri Power X31 / X33

3-phase UPS 10 to 60kVA

also available as 3/1-phase system 10 to 100kVA



- High Overload Capacity
- Galvanic Isolation
- 6-pulse thyristor-based rectifier
- Efficiency Control System (ECS)
- Extensive Parallel Configurations
- Compact footprint: only 0,64 sqm for a 200kVA system
- **Highlight:** 10 to 100kVA also available as 3/1 phase system

TRI-Power X33 is suitable for a wide range of both including IT and the most demanding industrial environments. The TRI-Power X33 is a suitable for power capacitive loads such as blade servers, without any reduction in active power, from 0,9 leading to 0,8 lagging. With a broad range of accessories and options, complex configurations and system architectures can be achieved to guarantee maximum power availability and the option to add new UPS without interruption to existing users. Removing the problems of oversizing upstream power sources, whilst improving load power factors and current harmonics turns the TRI-Power X33 into one of the most generator and environmentally UPS available in the market.

Tri Power X31 / X33 10 to 60kVA (3/3 phase and 3/1 phase)

Technical Data

Model	X31 / X33 10		X31 / X33 15		X31 / X33 20		X31 / X33 30		X31 / X33 40		X31 / X33 60	
Power (kVA)	10		15		20		30		40		60	
Input												
Nominal Voltage			380 / 400 / 415 VAC 3-phase									
Power Factor (PF)			> 0.99									
Frequency			45 - 65 Hz									
Soft Start			0 - 100 % in 30" (selectable)									
Frequency Tolerance			± 2% (selectable from ± 1 % to ± 5 % via Front Panel)									
Standard Features			Back Feed Protection; separable Bypass Line									
Output												
Active Power (kW)		9	13,5		18		27		36		54	
Number of Phases			3 + N (1–phase for 3/1 Version)									
Nominal Voltage			380 / 400 / 415 VAC 3-phase + N (220 / 230 / 240 VAC 1–phase for 3/1 Version)									
Frequency			50 Hz or 60 Hz (selectable)									
Voltage Distortion			< 1 % linear load / < 3 % non-linear load									
Frequency Stab. Batt-Mod.			0.05 %									
Crest Factor			3 : 1									
Overload			110 % for 60 min.; 125 % for 10 min.; 150 % for 1 min.; 200 % for 10 sec.									
Static Stability			± 1 %									
Dynamic Stability			± 5 % in 10 ms.									
Batteries												
Type			Open Lead Acid and VRLA AGM / GEL									
Residual Ripple Voltage			< 1 %									
Temperature compensation			-0.5 Vx °C									
General												
Human Interface			Multilingual Display									
Remote signals/controls			Volt free contacts (configurable) / ESD and Bypass (configurable)									
Communication			2 x RS232 + Remote Contacts + 2 Slots for Communications interface									
Ambient Temperature			0 °C - 40 °C									
Temperature Warning			Design life is based on a temperature of 25 °C, Ambient temperature above this range will affect battery life									
Protection Level			IP 20 (others on request)									
Relative Humidity			< 95 % non-condensing									
Altitude			< 1000 m above sea level									
Smart Active Output			up to 98 %									
Noise Level @ 1m		54 dBA	54 dBA		62 dBA		62 dBA		62 dBA		62 dBA	
Net Weight (kg)		212 (200 3/1)	220		230		280 (290 3/1)		330 (340 3/1)		450 (440 3/1)	
Dimensions mm		1400 H x 555 W x 740 D	1400 H x 555 W x 740 D		1400 H x 555 W x 740 D		1400 H x 555 W x 740 D		1400 H x 555 W x 740 D		1400 H x 800 W x 740 D	
Agency Compliance												
Regulations			Security: EN 62040-1-1 (directive 2006/95/EC); EMC: EN 62040-2 (directive 2004/108/EC)									
Classification			(Voltage Frequency Independent) VFI - SS - 111 according to IEC 62040-3									

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