



ALPHA  
OUTBACK  
ENERGY

# Tri Power X31 / X33

3-phase UPS 80 to 200kVA

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 qm 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 applications including IT and the most demanding industrial environments. The TRI-Power X33 is 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 versizing upstream power sources, whilst improving load power factors and current harmonics makes the TRI-Power X33 one of the most generator and environmently UPS available in the market.

## Tri Power X31 / X33 80 to 200kVA (3/1 phase also for 80 and 100kVA)

Technical Data					
Model	X 31 / X33 80	X31 / X33 100	X33 120	X33 160	X33 200
Power (kVA)	80	100	120	160	200
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)	72	90	108	144	180
Number of Phases	3 + N (Single-phase for 3/1 Version)				
Nominal Voltage	380 / 400 / 415 VAC 3-phase + N (220 / 230 / 240 VAC Single phase for 3/1 Version)				
Frequency	50 Hz oder 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 compens.	-0.5 Vx °C				
General					
Human Interface	Multilingual Display				
Remote signals/controls	Volt free contacts (configurable) / ESD and Bypass (configurable)				
Communication	2x RS232 + Remote Contacts + 2 Slots for Communications interface				
Temperature Warning	Design life is based on a temperature of 25 °C, Ambient temperature above this range will affect battery life				
Ambient Temperature	0 °C - 40 °C				
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	62 dBA	63-68 dBA	63-68 dBA	63-68 dBA	63-68 dBA
Net Weighth (kg)	600 (520 3/1)	640 (650 3/1)	650	770	810
Dimensions mm	1400 H x 800 W x 740 D	1400 H x 800 W x 800 D	1400 H x 800 W x 800 D	1400 H x 800 W x 800 D	1400 H x 800 W x 800 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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