

# Tri Power X33 HIP

3-phase UPS 100 to 250kVA



- High Efficiency up to 98.5%
- IGBT-based rectifier technology
- High overload capacity
- Light weight
- Power walk-in function and delayed start-up
- Multifunctional LCD panel
- Galvanic isolation
- Low Total Harmonic Distortion, THDi < 3 %
- High Input Power Factor 0.99

The Tri Power X33 range has been extended with the HIP series available from 100 to 600kVA. Tri Power X33 HIP provides maximum protection, exceptional operating efficiency, a compact footprint and easy maintenance access - all ideal for today's critical operating environments. The UPS is an IGBT-based rectifier, DSP (Digital Signal Processor) technology and provides true On-line double conversion power protection (VFI SS 111 - IEC EN 62040-3). TRI-POWER X33 HIP also performs the role of a high performance filter, protecting its upstream power supply sources from any harmonics and reactive power generated by the source. Tri Power X33 HIP range issuitable for use in the widest selection of applications.

## Tri Power X33 HIP 100 to 250kVA

Technical Data					
Model	X33 HIP 100	X33 HIP 120	X33 HIP 160	X33 HIP 200	X33 HIP 250
Power (kVA)	100	120	160	200	250
<b>Input</b>					
Rated voltage	380 / 400 / 415 VAC 3-phase				
Power Factor	> 0.99				
Frequency	45 - 65 Hz				
Harmonic current distortion	< 3 % THDi				
Soft Start	0 - 100 % in 30" (selectable)				
Frequency tolerance	± 2 % (selectable from ± 1 % to ± 5 % from front panel)				
Standard Equipment prov. standard	Back Feed protection; separable bypass line				
<b>Output</b>					
Power (kW)	90	108	144	180	225
Number of phases	3 + N				
Nominal voltage	380 / 400 / 415 VAC 3-phase + N				
Frequency	50 Hz or 60 Hz (selectable)				
Voltage distortion	< 1 % with linear load / < 3 % with non-linear load				
Frequency stability on battery mode	0.05 %				
Crest factor	3 : 1				
Overload protection	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.				
<b>Batteries</b>					
Type	open lead acid and VRLA AGM / GEL; NiCd				
Ripple current	Zero				
Charge voltage compensation	-0.5 Vx °C				
<b>General</b>					
Human Interface	LCD panel				
Remote signals / controls	volt-free contacts (configurable) / ESD and bypass (configurable)				
Communication	2x RS232 + remote contacts + 2 slots for communication interface				
Temperature Warning	Design life is based on a temperature of 25 °C, Ambient temperature above this range will affect battery life				
Temperature range	0 °C - 40 °C				
Protection degree	IP 20 (others on request)				
Humidity	< 95 % non-condensing				
Altitude	< 1000 m above sea level				
Smart Active Output	up to 98 %				
Noise level @ 1m	63 - 68 dBA				
Weight w/o batteries (kg)	656	700	800	910	1000
Dimensions (HxWxD) mm	1900 H x 800 W x 850 D	1900 H x 800 W x 850 D	1900 H x 1000 W x 850 D	1900 H x 1000 W x 850 D	1900 H x 1000 W x 850 D
<b>Regulations</b>					
Regulations	Safety: 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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