

# Power

## Tri Power X33 HIP

Three Phase UPS 100 to 250kVA



- High overload capacity
- IGBT-based rectifier technology
- Galvanic isolation
- Low input power distortion - less than 2.5%
- High Input Power Factor 0.99
- LCD panel
- Power walk-in function and delayed start-up

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 is suitable for use in the widest selection of application.



## Tri Power X33 HIP 100 to 250

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 three-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; seperable bypass line				
<b>OUTPUT</b>					
Power (kW)	90	108	144	180	225
Number of phases	3 + N				
Nominal voltage	380 - 400 - 415 Vac Three-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 60min; 125% for 10min; 150% for 1min; 200% for 10sec				
Static stability	± 1%				
Dynamic stability	± 5% in 10ms				
<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	Double RS232 + remote contacts + 2 slots for communication interface				
Temperature range	0°C - 40°C				
Protection degree	IP 20 (others on request)				
Humidity	< 95% non-condensing				
Altitude	< 1000m above sea level				
Smart Active Output	up to 98%				
Noise level @ 1m	63 - 68dBA				
Weight w/o batteries (kg)	656	700	800	910	1000
Dimensions (HxWxD) mm	1900x800x850	1900x800x850	1900x1000x850	1900x1000x850	1900x1000x850
<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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049-307-10-A001 (04/2009)