

# Tri Power X33 HIP

3-phase UPS 300 to 600kVA



- 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. Our 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. The Tri Power X33 HIP range issuitable for use in the widest selection of applications.

## Tri Power X33 HIP 300 to 600kVA

Technical Data				
Model	X33 HIP 300	X33 HIP 400	X33 HIP 500	X33 HIP 600
Power (kVA)	300	400	500	600
<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; seperable bypass line			
<b>Output</b>				
Power (kW)	270	360	450	540
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	VRLA, AGM / GEL; NiCd			
Ripple current	Zero			
Charge voltage compensation	-0.5 V / °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 98,5 %			
Noise level @ 1m	70 - 72 dBA	70 - 72 dBA	70 dBA	72 dBA
Weight w/o batteries (kg)	1400	1700	2100	2700
Dimensions (HxWxD) mm	1900 H x 1500 W x 1000 D	1900 H x 1500 W x 1000 D	1900 H x 2100 W x 1000 D	1900 H x 2100 W x 1000 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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