

# Power

## Tri Power X33 HE

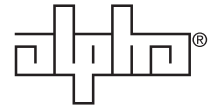
Three Phase UPS 100 to 120kVA

- Models: 100 to 120kVA
- High efficiency up to 96.5%
- High output power factor 0.9
- THDI < 3%
- Small footprint
- Multilingual graphic display



Tri Power X33 HE uses online double conversion (VFI) technology where the load is always powered by the inverter ensuring a filtered and stabilized sinusoidal voltage manufactured with the state of the art IGBT rectifier technology. Offering high efficiency values up to 96.5% even in part load situations saves money on electricity bills protecting at the same time our environment with less CO2 consumption. Light weight and small footprint allows easy, space saving and low cost installation. The 0.9 output power factor provides up to 15% more active power than a traditional UPS and more load expansion. TRI X33 HE UPS systems are ideal for the protection of critical information and telecommunications networks which can not run the risk of being powered from a poor quality electrical supply.

# Tri Power X33 HE 100 to 120kVA



## Technical Data

Model:	X33 HE 100	X33 HE 120
Power (kVA)	100	120
<b>INPUT</b>		
Rated voltage	380-400-415 VAC three-phase with Neutral	
Rated frequency	50 Hz / 60 Hz	
Frequency tolerance	40 -72 Hz	
Power factor at full load	0,99	
Current distortion	THDI ≤ 3%	
<b>BY PASS</b>		
Rated voltage	380-400-415 VAC three-phase with Neutral	
Number of phases	3 + N	
Voltage tolerance	180 - 264 V (selectable)	
Rated frequency	50 / 60 Hz	
Frequency tolerance	± 5 (selectable)	
<b>OUTPUT</b>		
Rated power (kVA)	100	120
Active power (kW)	90	108
Output power factor	0,9	
Number of phases	3 + N	
Rated voltage (V)	380-400-415 VAC (selectable)	
Static variation	± 1%	
Dynamic variation	± 3%	
Crest factor (I <sub>peak</sub> /I <sub>rms</sub> )	3 : 1	
Voltage distortion	≤ 1% with linear load / ≤ 3% with non-linear load	
Frequency	50 / 60 Hz	
Frequency stability on battery mode	0,01%	
Overload at pF 0.8	115% unlimited, 125% for 10minutes, 150% for 1minute, 168% for 5seconds	
<b>BATTERIES</b>		
Type	VRLS AGM / GEL	
Recharge time	6 hours	
<b>ENVIRONMENTAL</b>		
Communication	3 communication interface slots / RS232 / USB	
Operating temperature	0°C - 40°C	
Relative humidity	90% non condensing	
Colour	dark grey RAL7016	
Noise	< 65 dBA at 1m	
Protection rating	IP 20	
Efficiency Smart Mode	up to 99%	
Weight without batteries (kg)	460	480
Dimensions HxWxD (mm)	1900x750x855	
Compliance	European Directives: L V 2006/95/CE Low voltage directive EMC 2004/108/EC Electromagnetic compatibility directive Standards: Safety IEC EN 62040-1; EMC IEC EN 62040-2 C2 Classification according to IEC 62040-3 (Voltage Frequency Independent) VFI-SS-111	

For contact information visit [www.alphatechnologies.com](http://www.alphatechnologies.com)

### The Alpha Group >

North America	Europe, Middle East & Africa		Asia Pacific	Latin & South America
USA Tel: +1 360 647 2360 Fax: +1 360 671 4936	Cyprus Tel: +357 25 375 675 Fax: + 357 52 359 595	Germany Tel: +49 9122 79889 0 Fax: +49 9122 79889 21	Lithuania Tel: +370 5 210 5291 Fax: +370 5 210 5292	P.R. China Tel: +852 2736 8663 Fax: +852 2199 7988
Canada Tel: +1 604 436 5900 Fax: +1 604 436 1233	Russia Tel: +7 495 925 9844 Fax: +7 495 916 1349	United Kingdom Tel: +44 1279 501110 Fax: +44 1279 659870		Contact USA office