

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%
- Sma flolotprint
- 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
INPUT		
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%	
BY PASS		
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)	
OUTPUT		
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 _{peak} /I _{rms})	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	
BATTERIES		
Type	VRLS AGM / GEL	
Recharge time	6 hours	
ENVIRONMENTAL		
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)	220	380
Dimensions HxWxD (mm)	1600x500x850	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



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