

Power

Tri Power X33 HE

Three Phase UPS 10 to 40kVA



- Models: 10 to 40kVA
- 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 10 to 40kVA

Technical Data

Model:	X33 HE 10	X33 HE 15	X33 HE 20	X33 HE 30	X33 HE 40
Power (kVA)	10	15	20	30	40
INPUT					
Rated voltage	380-400-415 VAC three-phase with Neutral				
Rated frequency	50 Hz / 60 Hz				
Frequencytolerance	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				
Frequencytolerance	± 5 (selectable)				
OUTPUT					
Rated power (kVA)	10	15	20	30	40
Active power (kW)	9	13,5	18	27	36
Output power factor	0,9				
Number of phases	3 + N				
Rated voltage (V)	380-400-415 VAC (selectable)				
Static variation	± 1%				
Dynamicvariation	± 3%				
Crest factor (Ipeak/Irms)	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	< 52 dBA at 1m			< 48 dBA at 1m	
Protection rating	IP 20				
Efficiency Smart Mode	up to 99%				
Weight with internal batteries (kg)	180	182	190	195	335
Dimensions HxWxD (mm)	1320x440x850				

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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