

Power

Tri Power X33 HE

Three Phase UPS 250 kVA - 300kVA



- Models: 250 and 300kVA
- High efficiency up to 96.5%
- High output power factor $\cos \phi = 1$
- THDI < 3 %
- High Flexibility
- Low Total Cost of Ownership
- Zero Impact Source
- 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 1.0 output power factor of HE 250 and HE 300kVA provides more active power than a traditional UPS and more load expansion. All 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 250 and 300kVA

Technical Data

Model:	X33 HE 250	X33 HE 300
Power (kVA)	250	300
INPUT		
Rated voltage Tolerance	400 VAC three-phase without neutral +20%, -10% at 100% ± 20% at 85% +20, -30% at 75% and +20, -40% at 65% load	
Rated frequency	50 Hz / 60 Hz autosensing	
Frequency tolerance	from 45 to 65 Hz	
Input Power factor	0,99	
Current distortion	THDI ≤ 3% from 75% to 100% load	
OUTPUT		
Rated power (kVA)	250	300
Active power (kW)	250	300
Rectifier Type	IGBT	
Galvanic Isolation	No	
Output power factor	1	
Number of phases	3 + N	
Rated voltage (V)	400 V 3Ph + N (configurable from 360 V to 420 V)	
Static variation	± 1%	
Dynamic variation	± 5%	
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	With inverter synchronized to the by-pass mains: ± 2% (configurable from panel display from ± 1% to ± 6%) With inverter NOT synchronized to the by-pass mains: ± 0,05%	
Short circuit current (I/ rated)	3,2 for 100ms 2,4 for 1sec	2,7 for 100ms 2,0 for 1sec
Overload Bypass	110% for 60min, 125% for 10min, 150% for 1min	
BATTERIES		
Nominal Voltage Blocks N°		
Type	VRLS AGM / GEL	
Charging current	225A @ 80% load	175A @ 80% load
Recharge time	3 - 6 hours typical	
ENVIRONMENTAL		
Communication	2 Slots for optional SNMP Card / Relay Card / JBUS- / MODBUS- / Proibus / RS232 / USB / LDC / LED	
Operating temperature	0°C - 40°C / max. temperature for 8hrs a day: 40°C / average temperature for 24hrs: 35°C	
Relative humidity	90% non condensing	
Colour	dark grey RAL7016	
Noise @ 1m distance	≤ 68dB	≤ 72dB
Protection rating	IP 20	
Weight without batteries (kg)	900	900
Dimensions HxWxD (mm)	1900 x 1200 x 850	
Compliance	EN62040-1; EEC Directive LV2006/95/EC EN62040-2 C2; Directive 2004/108/EC, 93/68/EC EN62040-3 FI-SS-111	



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