

Power

Tri Power X31 HE

Three Phase UPS 10 to 20kVA



- Models: 10 to 20kVA
- Single phase output
- Efficiency $\geq 98\%$ in economy mode
- THDI $< 3\%$
- Small footprint
- Multilingual graphic display

Tri Power X31 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 98% in economy mode 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. TRI X31 HE UPS systems can be used either with single phase input or three phase input and 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 X31 HE 10 to 20kVA

Technical Data

Model	X31 HE 10	X31 HE 15	X31 HE 20
Power (kVA)	10	15	20
INPUT			
Rated voltage	380-400-415 VAC three-phase with Neutral / 220-230-240 VAC single phase		
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	220-230-240 VAC single phase		
Number of phases	1		
Voltage tolerance	180 - 264 V (selectable)		
Rated frequency	50 / 60 Hz		
Frequency tolerance	± 5 (selectable)		
OUTPUT			
Rated power (kVA)	10	15	20
Active power (kW)	8	12	16
Output power factor	0.8		
Number of phases	1		
Rated voltage (V)	220-230-240 VAC (selectable)		
Static variation	± 1%		
Dynamic variation	± 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	110% for 10minutes; 133% for 1minute; 150% for 5seconds		
BATTERIES			
Type	VRLS AGM / GEL		
Recharge time	6 hours		
ENVIRONMENTAL			
Communication	3 communication interface slots / R232 / USB		
Operating temperature	0°C - 40°C		
Relative humidity	90% non condensing		
Colour	dark grey RAL7016		
Noise	< 52 dBA at 1m		
Protection rating	IP 20		
Efficiency Smart Mode	≥ 98% in economy mode		
Weight without internal batteries (kg)	105	115	120
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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