

Tri Power X33 HIP

3-phase UPS 800kVA



- High Output Power Factor 1.0
- High Input Power Factor 0.99
- High Efficiency up to 98 %
- IGBT-based rectifier technology
- High overload capacity
- Up to 8 units in parallel
- Power walk-in function and delayed start-up
- Galvanic isolation

The Tri Power X33 HIP range has been extended with the Tri Power X33 HIP HE 800 model with 800kVA. Our Tri Power X33 HIP HE 800 provides maximum protection, exceptional operating efficiency, a compact footprint and easy maintenance access - all ideal for today's critical operating environments. This High Efficiency UPS is an IGBT-based rectifier, DSP (Digital Signal Processor) technology and provides true On-line double conversion power protection (VFI SS 111 - IEC EN 62040-3). TRI-POWER X33 HIP also performs the role of a high performance filter, protecting its upstream power supply sources from any harmonics and reactive power generated by the source. The Tri Power X33 HIP range is suitable for use in the widest selection of applications.

Tri Power X33 HIP 800kVA

Technical Data

Model	X33 HIP HE 800
Power (kVA)	800
Input	
Nominal Voltage	380 / 400 / 415 VAC 3-phase
Power Factor (PF)	> 0.99
Frequency	45 - 65 Hz
Harmonic Current Distortion	< 3 % THDi
Soft Start	0 - 100 % in 30" (selectable)
Frequency Tolerance	± 2 % (selectable from ± 1 % to ± 5 % from front panel)
Standard Features	Back Feed Protection; separable Bypass Line
Output	
Power	800 kw
Power Factor (PF)	1.0
Number of Phases	3 + N
Nominal Voltage	380 / 400 / 415 VAC 3-phase + N
Frequency	50 Hz or 60 Hz (selectable)
Voltage Distortion	< 1 % linear load / < 3 % non-linear load
Frequency stability on battery mode	0.05 %
Crest Factor (Ipeak/Irms)	3 : 1
Overload protection	110 % for 60 min.; 125 % for 10 min.; 150 % for 1min.; 200 % for 6 sec.
Static Stability	± 1 %
Dynamic Stability	± 5 % in 10 ms
Batteries	
Type	VRLA AGM / GEL; Nickel Cadmium
Ripple Current	Zero (0)
Charge Voltage Compensation	-0.5 Vx °C
General	
Human Interface	LCD Panel (multi lingual)
Remote signals / controls	Volt-free contacts (configurable) / ESD and Bypass (configurable)
Communication	2x RS232 + Remote Contacts + 2 Slots for Communication Interface Cards (i.e. SNMP)
Temperature Range	0 °C - 40 °C
Temperature Warning	Design life is based on a temperature of 25 °C, Ambient temperature above this range will affect battery life
Protection Degree	IP 20 (others on request)
Humidity	< 95 % non condensing
Altitude max.	< 1000 m above sea level
Smart Active Output	up to 98 %
Noise Level @ 1m	72 dbA
Weight w/o Batteries	3950 kg
Dimensions (mm)	1900 H x 3200 W x 1000 D
Regulations	
Regulations	Security: EN 62040-1-1 (directive 2006/95/EC); EMC: EN 62040-2 (directive 2004/108/EC)
Classification	(Voltage Frequency Independent) VFI - SS - 111 according to IEC 62040-3

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