Tri Power X33 HIP

Three Phase UPS 300 to 600kVA

- High overload capacity
- IGBT-based rectifier technology
- Galvanic isolation
- Low input power distortion - less than 2.5%
- High Input Power Factor 0.99
- LCD panel
- Power walk-in function and delayed start-up

The Tri Power X33 range has been extended with the HIP series available from 100 to 600kVA. TRI-POWER X33 HIP provides maximum protection, exceptional operating efficiency, a compact footprint and easy maintenance access - all ideal for today's critical operating environments. The 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. Tri Power X33 HIP range is suitable for use in the widest selection of application.

Tri Power X33 HIP 300 to 600

Technical Data

Model	X33 HIP 300	X33 HIP 400	X33 HIP 500	X33 HIP 600
Power (kVA)	300	400	500	600
INPUT				
Nominal Voltage	380 - 400 - 415 Vac Three-phase			
Power Factor	> 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 Equipment provided standard	Back Feed protection; separable bypass line			
OUTPUT				
Power (kW)	270	360	450	540
Number of phases	3 + N			
Nominal Voltage	380 - 400 - 415 Vac Three-phase + N			
Frequency	50 Hz or 60Hz (selectable)			
Voltage distortion	< 1% with linear load / < 3 % with non-linear load			
Frequency stability on battery	0.05%			
Crest factor	3 : 1			
Overload protection	110% for 60min; 125% for 10min; 150% for 1min; 200% for 10sec			
Static stability	± 1%			
Dynamic stability	± 5% in 10ms			
BATTERIES				
Type	open lead acid and VRLA AGM / GEL; NiCd			
Ripple current	Zero			
Charge voltage compensation	-0.5 Vx°C			
GENERAL				
Human interface	LCD panel			
Remote signals / controls	volt-free contacts (configurable) / ESD and bypass (configurable)			
Communication	Double RS232 + remote contacts + 2 slots for communications interface			
Temperature range	0°C - 40°C			
Protection degree	IP 20 (others on request)			
Humidity	< 95% non-condensing			
Altitude	< 1000m above sea level			
Smart Active Output	up to 98,5%			
Noise level @ 1m	70-72 dBA	70-72dBA	70dBA	72dBA
Weight w/o batteries (kg)	1400	1700	2100	2700
Dimensions (HxWxD) mm	1900x1500x1000	1900x1500x1000	1900x2100x1000	1900x2100x1000
REGULATIONS				
Regulations	Safety: 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			

Albat® energy systems

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