





Power



Tri Power X33 Himod

High Performance modular 3-phase UPS-System
42 to 294kW* - scalable up to 1200kW *

- Modular and scalable from 42kW to 1,2 Megawatts*
- Output Power Factor 1.0
- Unique Power Density (466kW/m²)
- Up to four fully assembled Power Cabinets parallelable
- N+1 Redundancy up to more than 1,0 Megawatts
- System-Efficiency > 96,5 Percent
- Operating Temperature up to +40°C without derating
- Weight Power Module 38kg



Alpha's latest UPS HIMOD  is a modular, three-phase, double conversion uninterruptible power supply system, capable of supporting power densities of up to 466kW per square meter - making it suitable for latest high-density servers. HIMOD  is a completely scalable system in accordance with any business requirements and designed to protect any critical high-density computer and IT environment, whilst achieving maximum availability. HIMOD  grows along with the demands of the business without oversizing the UPS - optimizing both the initial investment and the Total Cost of Ownership. As soon as demand increases, the HIMOD  modular solution can expand its power capability, maintaining the highest levels of power protection, availability, redundancy and investment savings.

HIMOD  provides a comprehensive, easy-to-integrate power protection solution for data centers and any critical IT application matching the evolving demands of a networked environment. HIMOD  ensures that a scalable, secure, high quality power supply is available for a variety of critical load applications in almost all industrial sectors such as healthcare, power generation, social networking, telecommunications, commerce and education.



Tri Power X33 Himod 42kW to 294kW* - scalable up to 1200kW*

Technical Specifications			
INPUT			
Nominal Voltage [V]	380 - 400 - 415 3-phase + N		
Voltage Range [V]	240 to 480V at 50% load; 320 to 480V at 100% load		
Input frequency tolerance [Hz]	40 to 72		
Input Power Factor	0,99		
THDI [%]	< 3,5		
OUTPUT			
Output Power Factor	1		
Nominal Voltage [V]	380 / 400 / 415 3-phase + N		
Nominal Frequency [Hz]	50 or 60		
Static Stability [%]	+/- 0,5		
Dynamic Stability	EN62040-3 class performance 1		
BYPASS			
Nominal Power [kW]	252 (Power Cabinet) / 126 (Power <i>plus</i> Cabinet)		
Nominal Voltage [V]	380 - 400 - 415 3-phase + N		
Bypass Voltage Range [V]	from 180V (adjustable 180 - 200) to 264V (adjustable 250 - 264)		
Nominal Frequency [Hz]	50 or 60		
Overload Capability on Bypass Line	125% for 10 min; 150% for 1 min		
BATTERIES			
Configuration	modular Battery Drawers or external batterie banks in cabinet(s) or on rack(s)		
Battery Drawer feature	sealed VRLA Batteries; constant voltage and current measuring; battery status monitoring via Himod Display		
Number of cells	120 + 120		
OVERALL SPECIFICATION			
Power Modul nominal power [kW]	42		
Power Factor	1		
Charging Current Power Module [A]	8		
Eco Mode Efficiency	up to 99%		
Cabinet Types	POWER CABINET	POWER <i>plus</i> CABINET	BATTERY CABINET
Nominal Power [kW]	294	126	n.a.
Parallelable (up to)	4	4	n.a.
Modules / Battery Drawer Kits	7 x Power Modules	3 x Power Modules 5 x Battery Drawer Kits	9 x Battery Drawer Kits
Dimensions (WxDxH)	600 x 1050 x 2000mm		
Weight [kg] w/o PM and Batteries	320	360	280
Weight Power Modul [kg]	38		
Operating Temperature Range	0°C - 40°C without Derating		
System Noise Level at 1m (dBA)	65 to 68 dBA		
IP Rating Cabinet	IP 20		
Cable Input	Rear Side either front or bottom		
Interfaces	Front: 2 x Slot (i.e. SNMP); Rear: 1 x Relay Slot; Auxiliary Signal Board		
Color	RAL9005		
Standards	Safety IEC EN 62040-1; EMV EN 62040-2 C3		

* including N+1 Redundancy

For more information visit www.alphatechnologies.com and www.alpha.ca

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