

Power

Tri Power X33 Mod HP2

Modular 3-phase UPS-System 10 to 80 kVA



- High Output Power Factor 1.0
- Modular and scalable from 10 to 80kVA
- Easy to install - easy to handle - easy to maintain
easy to expand
- Customized configuration with 3.4, 5.0
and 6.7 kVA Power Modules
- High Performance on a small foot print: i.e. 15 kVA system with N+1 Redundancy
- totally modular - with 5 minutes back up time in one single cabinet
- Cost effective N+X redundancy; even phase by phase
- Modular Battery System
- Fully Hot Swappable

The unique Tri Power Mod HP2 Systems from Alpha Technologies are the only UPSs which are combining all relevant aspects to achieve an efficient, economical and long life UPS system with all advantages of a modular, scalable and redundant UPS architecture. The true modularity of the Tri Power X33 Mod HP2 allows an individual and progressive adaption to the current IT environment while considering future load changes.

Each power module – available as 3.4, 5.0 and 6.7kVA modules – is redundant to the other and allows an individual, customized configuration – almost 50 different configurations are possible with only 3 power cabinets. Their maximum weight of 9kg allows an easy installation and replacement which can be performed by a single person. Tri Power X33 Mod HP2 are easy to install, easy to handle, easy to maintain and easy to expand at any time for future requirements. Tri Power X33 Mod HP2 technologically balances the dynamic changes within the IT equipment – i.e. due to product life cycles, technology changes and consolidations – and the capabilities of the power supply. This makes Tri Power X33 Mod HP2 the first choice for all IT applications.

Technical Specifications							
Model	X33 Mod HP 2 10	X33 Mod HP 2 15	X33 Mod HP 2 20	X33 Mod HP 2 30	X33 Mod HP 2 40/45	X33 Mod HP 2 60	X33 Mod HP 2 80
Nominal Power (kVA)	10	15	20	30	40/45	60	80
Architecture of the UPS	Modular, scalable and redundant UPS System						
INPUT							
Nominal Voltage	380/400/415 3PH+N+PE or 220, 230, 240 1PH (Input Voltage Range 400 & 230V: +15% /-20%)			380/400/415 3PH+N+PE (Input Voltage Range 400V: +15% /-20%)			
Frequency	50 Hz / 65 Hz (43 - 68,4 Hz)						
Compatibility with gensets	Configurable for synchr. between the input and output frequencies, even for the highest frequency ranges, +/- 14%						
Power Factor at full load	> 0,99						
THD of input current	< 3%						
OUTPUT							
Nominal Power (kVA)	10	15	20	30	40/45	60	80
Active Power (kW)	10	15	20	30	40/45	60	80
Power Factor	1						
Nominal Voltage (V)	380/400/415 3PH+N+PE or 220/230/240 1PH			380/400/415 3PH+N+PE			
Efficiency	99% (ECO mode)						
Waveform	Pure Sinus						
Crest Factor (Ipeak/Irms)	3 : 1						
THD on nominal power	≤ 1%						
Frequency	50 Hz / 60 Hz user selectable +/- 2% (standard), +/- 14% (extended)						
Voltage Tolerance	+/- 1%						
Overload capability PF 0.9	115% for 10min, 135% for 60sec						
BATTERIES							
Type / UPS Battery Voltage	VRLA - AGM / 240VDC (internal redundant range)						
Runtime / Autonomy	Configurable and extendable, both internally and with additional battery cabinets						
Battery Module	Plug & Play						
Charging Algorithm	Smart-Charge-Technology, 3 step charging cycle						
GENERAL							
Communication	1 x SNMP Slot, 2 x Serial Port RS232, 1x Logic Level Port, 4 x volt-free contacts ports						
Monitoring	Optional (including 1 x RCCMD License with SNMP Interface Card)						
Display and Signalling	4 x 20-character lines, 4 menu navigation buttons, multi-coloured LED status indicator, alarms and audible signalling						
Diagnostic Functions	Advanced Diagnostic Functions via Display and / or Remote						
Emergency Stop (EPO)	Yes						
Operating Temperature/-Humidity	0°C - 40°C / 0% - 95% non condensing						
Noise level @ 1m (dBA)	58 to 62 dBA						
Protection index	IP 21						
Net Weight w/o Batteries (kg)	155	155	157	181	184/191	196	206
Dimensions HxWxD (mm)	1650x414x628			1650x414x1x628			
Certifications	EN 62040-1; EN 62040-2; EN 62040-3 (Voltage Frequency Independent) VFI-SS-111						

For contact information visit www.alphatechnologies.com

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