

Power

Tri Power X33 Mod **HP** 2

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 **HP** 2 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 **HP** 2 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 **HP** 2 are easy to install, easy to handle, easy to maintain and easy to expand at any time for future requirements. Tri Power X33 Mod **HP** 2 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 **HP** 2 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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