

Tri Power X33 MOD HP2

Modular 3-phase UPS-System 10 to 80kVA



- High Output Power Factor 1.0
- Modular and scalable
- Flexible battery system
- High Performance on a small foot print
- Cost effective N+X redundancy, even phase by phase
- Easy maintenance, installation, operation and easy expansion
- Hot Swappable – Module exchange possible in online operation
- Customized configuration with 3.4, 5.0 and 6.7kVA Power Modules

The unique Tri Power MOD HP 2 Systems 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 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.

Tri Power X33 Mod HP2 10 to 80kVA

Technical Data							
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 VAC 3-phase + N + PE or 220 / 230 / 240 VAC 1-phase (Input Voltage Range 400 & 230 V: +15 % / -20 %)			380 / 400 / 415 VAC 3-phase + 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						
THDi	< 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	1.0						
Nominal Voltage (V)	380 / 400 / 415 VAC 3-phase +N +PE or 220 / 230 / 240 VAC 1-phase			380 / 400 / 415 VAC 3-phase +N +PE			
Efficiency	99 % (ECO mode)						
Waveform	pure Sinus						
Crest Factor (I _{peak} /I _{rms})	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 10 min., 135 % for 60 sec.						
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 Alorythm	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						
Temperature Warning	Design life is based on a temperature of 25 °C, Ambient temperature above this range will affect battery life						
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 (mm)	1650 H x 414 W x 628 D						
Certifications	EN 62040-1; EN 62040-2; EN 62040-3, (Voltage Frequency Independent) VFI-SS-111						

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