



ALPHA
OUTBACK
ENERGY

Tri Power X33 HIMOD HP

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



- High Output Power Factor 1.0
- Modular and scalable
- Eco-Mode Efficiency up to 99 %
- Multilingual, color touch display
- Unique Power Density 466kW / m²
- N+1 redundancy up to 1,0 megawatts
- Up to 4 fully assembled power cabinets parallelable
- Without derating up to + 40 °C operating temperature
- Easy maintenance due to the low weight of the power module

The latest UPS HIMOD HP is a modular, 3-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. The HIMOD HP is a completely scalable system in accordance with any business requirements and designed to protect any critical high-density computer and IT environment. HIMOD HP grows along with the demands of the business without oversizing the UPS - optimizes both the initial investment and the Total Cost of Ownership. As soon as the demand increases, the HIMOD HP modular solution can expand its power capability, maintaining the highest levels of power protection, availability, redundancy and investment savings. The HIMOD HP provides a comprehensive, easy-to-integrate power protection solution for data centers and any critical IT application while matching the evolving demands of a networked environment. The HIMOD HP 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.

* including N+1 redundancy

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Technical Data

Input	
Voltage (V)	380 / 400 / 415 VAC 3-phase + N
Voltage Range	240 to 480 V at 50 % load; 320 to 480 V at 100 % load
Frequency Tolerance	40 to 72 Hz
Powerfactor	0,99
THDi	< 3,5 %

Output	
Voltage (V)	380 / 400 / 415 VAC 3-phase + N
Powerfactor	1.0
Frequency	50 oder 60 Hz
Static Stability	+/- 0,5 %
Dynamic Stability	EN62040-3 Class C1

Bypass	
Power (kW)	252 (Power Cabinet) / 126 (Powerplus Cabinet)
Voltage (V)	380 / 400 / 415 VAC 3-phase + N
Voltage Range	from 180 V (adjustable 180 - 200) to 264 V (adjustable 250 - 264)
Frequency	50 or 60 Hz
Overload Capability on Bypass Line	125 % for 10 min.; 150 % for 1 min.

Batteries	
Configuration	modular Battery Drawers or external battery banks in cabinet(s) or on rack(s)
Type	sealed VRLA Batteries; constant voltage and current measuring; battery status monitoring via Himod Display
Number of Cells	120 + 120

Overall Specification			
Power of Power Modul		42 kW	
Powerfactor of Power Module		1.0	
Charging Current Power Module		8 A	
Efficiency		> 96,5 % (Eco Mode up tp 99 %)	
Cabinet Types	POWER CABINET	POWERplus CABINET	BATTERY CABINET
Nominal Power (kW)	294*	126*	n.a.
Parallelable	up to 4	up to 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 (mm)		600 W x 1050 D x 2000 H	
Weight [kg] w/o PM and Batteries	320 kg	360 kg	280 kg
Weight of Power Modul		38 kg	
Operating Temperature Range		0 °C - 40 °C without derating	
Temperature Warning		Design life is based on a temperature of 25 °C, Ambient temperature above this range will affect battery life	
System Noise Level at 1m		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

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