

Pegasus 10-20 kVA

10-20 kVA 3/1-phase

10-20 kVA 3/3-phase

Online double-conversion 10, 15, 20kVA

The PEGASUS is a online double-conversion UPS system with 1- or 3-phase output. It can be configured parallel-redundant. Up to 4 Systems can be connected in parallel for redundant operations and increases the availability.

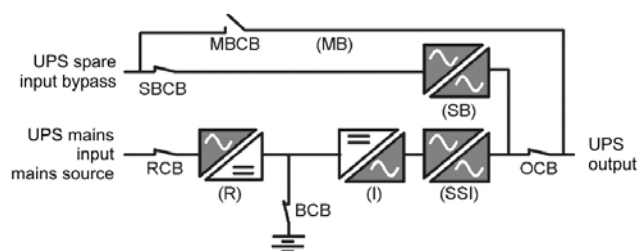
The electronic components are up to highest standards as known from military requirements. So you find an UPS system with enhanced reliability, availability and safety.

The PEGASUS 10-20kVA is an UPS system with modular design. Each power module offers complete self-diagnosis to simplify the "on field" trouble-shooting.

The usage of IGBT rectifiers reduces the distortion of depended mains. The current drain is almost ideal sinus and the power factor was increased in comparance to traditional thyristor design.



- UPS classification VFI-SS111 in accordance with IEC 62040-3
- Online double-conversion
- IGBT rectifier
- Input power factor >0,99
- Modular technology
- Models with 1- or 3 phase output available
- Modules with progressive self diagnostics
- High efficiency
- Output sine wave
- Digital control
- Comfortable LCD display
- Compact design
- Low weight
- RS232, RS485 and expansionslots for different communication ports (SNMP, Relais)
- 24 months' warranty
- Optionally incl. BACS battery management
- Optionally up to 4 devices parallel
- Optionally external battery extension



block diagram



control panel

UPS electronics
(modular design /
power module)

Specifications

Model		PEGASUS 10 kVA 31/33	PEGASUS 15 kVA 31/33	PEGASUS 20 kVA 31/33
Power		10kVA / 8kW	15kVA / 12kW	20kVA / 16kW
Efficiency % (ECO-Mode)		>98	>98	>98
Efficiency (AC-AC) - % (Online-Mode)		>92	>92	>92
Input	Voltage nominal	3-ph. 360VAC		
	Voltage tolerance	380-415VAC +/- 15VAC		
	Frequency	50Hz – 60Hz selectable		
	Power factor	≥0.99		
Output	Voltage	31ph model: 220, 230, 240 selectable / 33ph model: 380-415VAC selectable		
	Frequency	50Hz or 60Hz +/- 0.001Hz (battery mode) +/- 2Hz synchronised (line mode)		
	Waveform	Sinus		
	Distortion	<1% (linear load), 5% (nonlinear load), in accordance with IEC 62040-3		
	Crest factor	3:1		
Batteries	Type	maintenance free lead acid batteries		
	Capacity	2 x 180 x 7.2Ah	2 x 180 x 7.2Ah	2 x 180 x 7.2Ah
	Autonomy	on request	on request	on request
	Nominal voltage	2 x 406VDC @ 25°C		
	Minimal discharge voltage	2 x 310VDC		
	Charging voltage	on request	on request	on request
	Recharging time	7-8h 90% capacity		
Transfertime	AC-DC to bypass	0ms		
Display	LCD	Alphanumeric backlit display		
	LED	Diagramm with LEDs		
Acoustic alarm	Resettable	Yes		
	RS-232 interface	Yes		
Interface	SNMP (Option)	Powermanagement via optional SNMP-Adapter and Webbrowser		
	Relay contacts (optionally)	Eight Signals via additional expansion card		
environment	Temperature	0-40°C (Battery 0 - +25°C)		
	Humidity	20-80% non condensing		
	Audible noise (1m distance)	< 50dBA		
Weight	Without batteries	90kgs	100kgs	100kgs
	With batteries	250kgs	260kgs	260kgs
Dimensions	HxWxD in mm	1200 x 450 x 650	1200 x 450 x 650	1200 x 450 x 650
Safety		EN 50091-2, CE		
Enclosure		IP 20		
Colour		RAL 7035		