

Pegasus 100-160kVA

100, 125, 160kVA 3/3 phase



Online double-conversion 100, 125, 160kVA

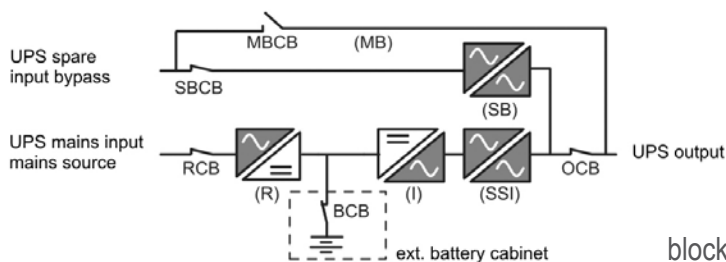
The PEGASUS is a online double-conversion UPS system with 3-phase output. It can be configured parallel-redundant and increases the availability of the power source.

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.

The output isolation transformer of the PEGASUS UPS provides the galvanic isolation between consumer load and DC intermediate circuit and battery.

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.

- UPS classification VFI-SS111 in accordance with IEC 62040-3
- Online double-conversion
- IGBT rectifier
- output isolation transformer
- Powerfactor >0,96
- Output sine wave
- Digital control
- Comfortable LCD display
- Kompact design
- RS232, RS485 (SNMP, Relais)
- 24 months' warranty
- Optionally incl. BACS battery management
- Optionally up to 4 devices parallel
- Optionally external battery extension



block diagram



control panel



Communication ports

Specifications

Model		PEGASUS 100kVA	PEGASUS 125kVA	PEGASUS 160kVA
Power		100kVA / 80kW	125kVA / 100kW	160kVA / 128kW
Efficiency (AC-AC) - % (ECO mode)		>98	>98	>98
Efficiency (AC-AC) - % (Online mode)		>93	>93	>93
Input	Voltage nominal	3-ph. 380VAC		
	Voltage tolerance	380-400-415VAC +10% / -20%		
	Frequency	50Hz – 60Hz +/- 5Hz		
	Power factor (@ 400V)	>0.99		
Output	Voltage	380-415 VAC +/- 1% adjustable		
	Frequency	50Hz or 60Hz +/- 0.001Hz (battery mode) +/- 2Hz synchronised (line mode)		
	waveform	Sinus		
	Output current nominal @ CosPhi 0.8/1.0	145/115A	180/145A	232/186A
	Short-circuit current	230A	290A	372A
	Distortion	<2% (linear load), <5% (nonlinear load), in accordance to IEC 62040-3		
Batteries	Crest factor	3:1		
	Type	Maintenance free lead acid batteries		
	Capacity	On request	On request	On request
	Cells	300	300	300
	Autonomy	On request	On request	On request
	Nominal voltage	680VDC @ 25°C		
	Minimal discharging voltage	496VDC		
	Charging voltage	On request	Auf Anfrage	Auf Anfrage
Transfer time	Recharging time	7-8h 90% capacity		
	AC-DC to bypass	0ms		
Display	LCD	Alphanumeric backlit display		
	LED	Diagram with LEDs		
Acoustic alarm	Resetable	Yes		
	RS-232 Interface	Yes		
Interface	SNMP (Option)	Powermanagement via optional SNMP adapter and webbrowser		
	Relay contacts	Via additional expansion card		
	Temperature	0-40°C (batteries 0- +25°C)		
Environmentz	Humidity	<95% noncondensing		
	Audible noise (@ 1m distance)	< 60dBA		
Weight	Without batteries	630kgs	662kgs	720kgs
Dimensions	HxWxD in mm	1670 x 815 x 825	1670 x 815 x 825	1670 x 815 x 825
Safety		EN 50091-2, CE		
Enclosure		IP 20		
Colour		RAL 7035		