

Pegasus 200-300kVA

200-300 kVA 3/3-phase



Online double-conversion 200, 250, 300kVA

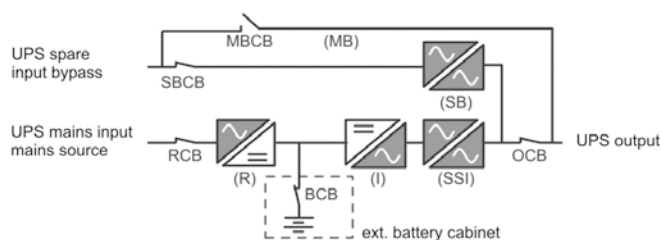
The PEGASUS is a online double-conversion UPS system with 3-phase output. It can be configured parallel-redundant and increases the availability of the power source.

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

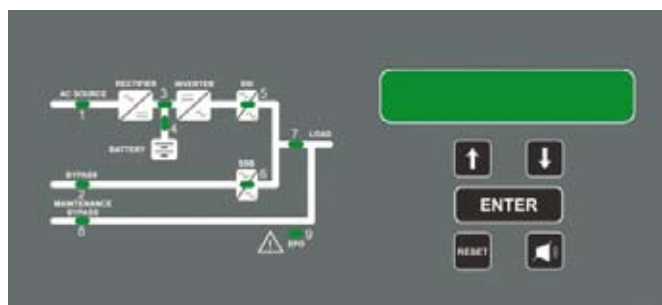
The usage of IGBT rectifiers reduces the distortion of dependened mains. The current drain is almost ideal sinus and the power factor was increased in comparance to traditional thyristor design.

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

- UPS classification VFI-SS111 in accordance with IEC 62040-3
 - Online double-conversion
 - IGBT rectifier
 - output isolation transformer
 - Input power factor >0.96
 - Output sine wave
 - Digital control
 - Comfortable LCD display
 - Compact design
 - RS232, RS485 (SNMP, Relais)
 - 24 months' warranty
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- Optionally incl. BACS battery management
 - Optionally up to 4 devices parallel
 - Optionally external battery extension



block diagram



control panel



UPS electronics

Specifications

Model		PEGASUS 200kVA	PEGASUS 250kVA	PEGASUS 300kVA
Power		200kVA / 160kW	250kVA / 200kW	300kVA / 240kW
Efficiency (AC-AC) - % (ECO mode)		>97	>97	>97
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)	>0.96		
Output	Voltage	380-415VAC +/- 1% einstellbar		
	Frequency	50Hz or 60Hz +/- 0.001Hz (battery mode) +/- 2Hz synchronised (line mode)		
	waveform	Sinus		
	Output current nominal @ CosPhi 0.8/1.0	290/230A	360/290A	430/360A
	Short-circuit current	462A	520A	578A
	Distortion	<2% (linear load), <5% (nonlinear load), in accordance to IEC 62040-3		
	Crest factor	3:1		
Batteries	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	681VDC bei 25°C		
	Minimal discharging voltage	495VDC		
	Charging voltage	On request	On request	On request
	Recharging time	7-8h 90% capacity		
Transfer time	AC-DC to bypass	0ms		
Display	LCD	Alphanumeric backlit display		
	LED	Diagram with LEDs		
Acoustic alarm	Resetable	Yes		
Interface	RS-232 Interface	Yes		
	SNMP (Option)	Powermanagement via optional SNMP adapter and webbrowser		
	Relay contacts	Via additional expansion card		
Environmentz	Temperature	0-40°C (batteries 0- +25°C)		
	Humidity	<95% noncondensing		
	Audible noise (@ 1m distance)	< 62dBA		
Weight	Without batteries	870kgs	1020kgs	1200kgs
Dimensions	HxWxD in mm	1900 x 1200 x 860	1900 x 1200 x 860	1900 x 1200 x 860
Safety		EN 50091-2, CE		
Enclosure		IP 20		
Colour		RAL 7035		