

Pegasus II 200-300kVA

200, 250, 300kVA, 3/3-phase, cos phi 0.9

On-line double-conversion 200, 250, 300kVA

The PEGASUS II is an on-line double conversion UPS with 3-phase output.

The system can be configured for parallel redundancy. There can be up to 8 units in parallel. Thus, the reliability is increased.

The PEGASUS II UPS series offers extensive self-diagnostic capabilities. This simplifies the maintenance of the Pegasus II and reduces the time required for this effort. The usage of IGBT rectifiers reduces the distortion of depended mains. The current drain is pure sine wave.

Features:

- UPS classification VFI-SS111 (IEC 62040-3)
- On-line double conversion
- PFC rectifier with IGBT technology
- Low THD(i) even at partial load
- Output isolation transformer
- Power factor >0.99
- Wide input voltage range
- High efficiency
- Parallel option for up to 8 units
- Digital signaling processor
- Clearly arranged LCD display
- RS-232 as standard
- emergency off button on the front panel
- 24 month's warranty

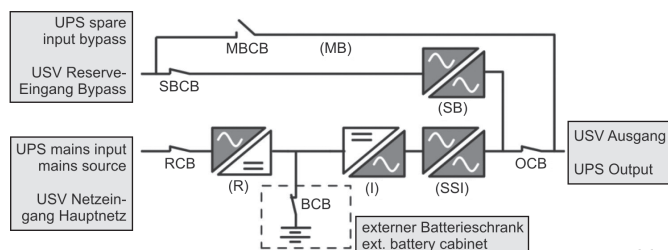


Available factory settings:

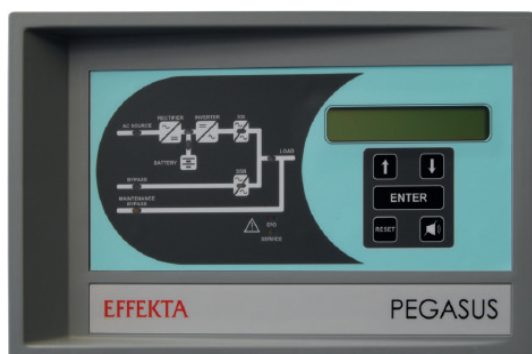
- DCM function for charging the batteries with high power at partial loads <100% (ie, at part load the remaining available energy can be used to recharge the batteries.)
- Frequency converter 50Hz > 60Hz or 60Hz > 50Hz
- Eco-Mode (efficiency 95-98%)
- Generator operation

Options:

- Battery management with BACS
- External battery extension
- Extension options for relay card, RS485 or SNMP adapter



block diagram



control panel



UPS electronics

Specifications

Model		PEGASUS II 200kVA	PEGASUS II 250kVA	PEGASUS II 300kVA
Power		200kVA / 180kW	250kVA / 225kW	300kVA / 270kW
Efficiency (AC-AC) - % (ECO-mode)		>98		
Efficiency (AC-AC) - % (online-mode, 100% load)		>95		
Input	Nominal voltage	3-ph. 400VAC		
	Voltage range	380-400-415VAC -20% / +15%		
	Frequency	50Hz – 60Hz ± 5Hz		
	Power factor (at 400V)	>0.96		
	Waveform	sinusoidal		
Output	Voltage	380-415VAC ± 1% selectable		
	Frequency	50Hz or 60Hz ± 0.001Hz (battery mode) ± 2Hz synchronised mains		
	Nominal output current at cos phi 0.9/1.0	290/260A	362/326A	435/390A
	Short-circuit current	462A	580A	694A
	THD	1% (linear load), <5% (nonlinear load), IEC 62040-3		
Batteries	Crest factor	3:1		
	Type	Maintenance-free lead-acid batteries		
	Autonomy	depending on battery insertion / on request		
	Nominal voltage	600VDC		
	Max. charging current	30A	40A	40A
Switching time	Max. charging current in DCM mode	100A	100A	100A
	Charging time	7-8 h to 90% of full capacity after complete discharge		
	AC-DC into the bypass	0ms		
	LCD	Alpha-numeric display with backlight		
	LED	Diagram with LEDs		
Acoustic alarm	can be switched off	Yes		
	RS-232 interface	Yes		
	SNMP (Option)	Yes		
	Potential-free contacts	Eight Signals with additional card		
	Temperature	0-40°C (batteries 0- +25°C)		
Environmental	Humidity	<95% non-condensing		
	Audible noise level (at 1m distance)	< 62dB		
	Without batteries	970kg	1090kg	1170kg
	HxWxD in mm	1905 x 1220 x 895	1905 x 1220 x 895	1905 x 1220 x 895
	Safety	DIN EN 62040-1		
Standards	EMC	DIN EN 62040-2, class C3		
	Tests	CE		
	Enclosure	IP 20		
	Colour	RAL 7016		