

Pegasus II 60-160kVA

60, 80, 100, 125, 160kVA, 3/3 phase, cos phi 0.9

Online double-conversion 60, 80, 100, 125, 160kVA

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

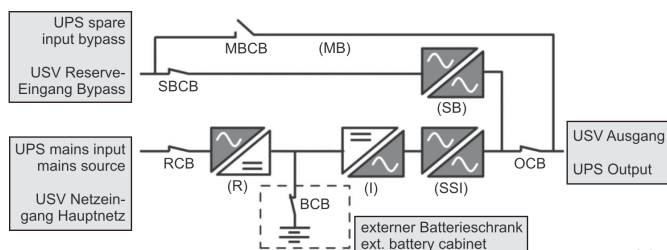


Available factory settings:

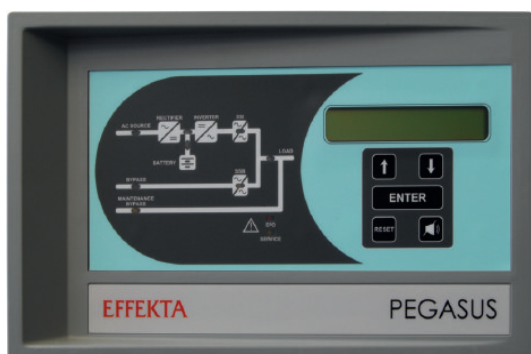
- DCM function for charging the batteries with high power at partial loads <100% (ie, at part load the remaining available energy can be used to recharge the batteries.)
- Frequency converter 50Hz > 60Hz or 60Hz > 50Hz
- Eco-Mode (efficiency 95-98%)
- Generator operation

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 60kVA	PEGASUS II 80kVA	PEGASUS II 100kVA	PEGASUS II 125kVA	PEGASUS II 160kVA
Power		60kVA / 54kW	80kVA / 72kW	100kVA / 90kW	125kVA / 112.5kW	160kVA / 144kW
Efficiency (AC-AC) - % (ECO-mode)		>98				
Efficiency (AC-AC) - % (Online mode, 100% load)		>94.5				
Input	Nominal voltage	3-ph. 400VAC				
	Voltage range	380-400-415VAC -20% / +15%				
	Frequency	50Hz – 60Hz ± 5Hz				
	Power factor (at 400V)	>0.99				
Output	Voltage	380-415VAC ± 1% selectable				
	Frequency	50Hz or 60Hz ± 0.001Hz (battery mode) ± 2Hz synchronized mains				
	Waveform	sinusoidal				
	Nominal output current at cos phi 0.9/1.0	87/78A	116/104A	145/130A	180/163A	232/209A
	Short-circuit current	140A	186A	232A	290A	370A
	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	15A	15A	15A	20A	20A
	Max. charging current in DCM mode	50A	50A	100A	100A	100A
Switching time	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				
Environment	Temperature	0-40°C (batteries 0- +25°C)				
	Humidity	<95% no-condensing				
	Audible noise level (at 1m distance)	< 60dB				
	Without batteries	570kg	600kg	625kg	660kg	715kg
Weight						
Dimensions	HxWxD in mm	1705 x 815 x 865	1705 x 815 x 865	1705 x 815 x 865	1705 x 815 x 865	1705 x 815 x 865
Standards	Safety	DIN EN 62040-1				
	EMC	DIN EN 62040-2, class C3				
	Tests	CE				
Protection		IP 20				
Color		RAL 7016				