

Pegasus II 60-160kVA

60, 80, 100, 125, 160kVA 3/3 phase

NEU / NEW

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

The PEGASUS II is EFFEKTA® 's new 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 dependened 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

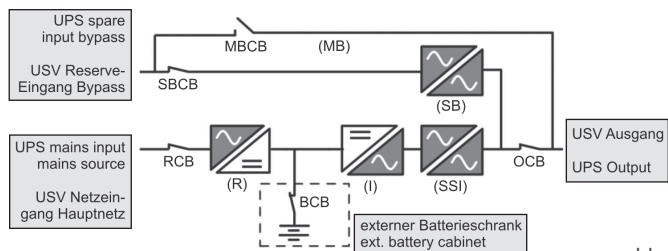


Available factory settings:

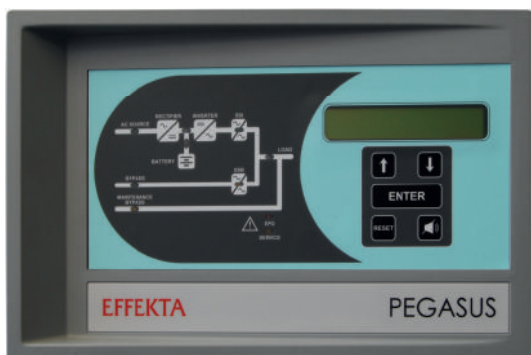
- DCM function for charging the batteries with high power at partial loads <100% (ie, at part load the remaining available energy can be used to recharge the batteries.)
- Frequency converter 50Hz > 60Hz or 60Hz > 50Hz
- Eco-Mode (efficiency 95-98%)
- Generator operation

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 / 48kW	80kVA / 64kW	100kVA / 80kW	125kVA / 100kW	160kVA / 128kW
Efficiency (AC-AC) - % (ECO-mode)	>98				
Efficiency (AC-AC) - % (Online mode, 100% load)	>93				
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 0.8/1.0				
80/70A	116/93A	145/116A	180/145A	232/186A	
Short-circuit current					
140A	186A	232A	290A	372A	
THD					
1% (linear load), <5% (nonlinear load), IEC 62040-3					
Crest factor					
3:1					
Batteries	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	
Charging time					
7-8 h to 90% of full capacity after complete discharge					
Switching time	AC-DC into the bypass				
	0ms				
Panel	LCD				
	Alpha-numeric display with backlight				
Acoustic alarm	LED				
	Diagram with LEDs				
Interface	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					
Weight	Without batteries	570kg	600kg	625kg	660kg
Dimensions	HxWxD in mm	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				