FLIX 6K

TECHNOLOGY:	**TRUE ON LINE Double Conversion**
CLASSIFICATION:	**VFI-SS-111** (EN 62040-3)
POWER RANGE:	**6 kVA**
No. OF PHASES:	**1:1**



APPLICATIONS

- Servers
- Working stations
- Lighting
- Laboratory equipment
- Security systems
- Automation and control systems

SPECIFICATION

Technology True On-Line Double Conversion Technology provides perfect output voltage parameters, regardless of the input voltage and the load.

Automatic bypass provides continuous load supply in critical conditions, such as overheating or inverter failure.

Communication:
USB, RS232 for UPS and load supervision and control.
Smart slot allows connect SNMP card to manage UPS throw network or AS400 card with potential free contactors.

LCD control panel displays UPS and power parameters as well as hundreds of useful information.

Inbuild batteries 16pcs of 9Ah ensure the standard backup time and small 4U dimensions in Rack cabinet.

High efficiency up to 96% in online mode to minimizes energy consumption and reduces heat emissions, which makes cooling of rooms cheaper.

ECO-Mode allows 99% efficiency and additional energy savings.

Automatic diagnostics guarantee full device performance, control of components and operating parameters without user intervention.

Maintenance bypass allow for maintenance UPS without disconnection of the connected load.

The high value of input power factor restricts the current value of the device from professional network.

Wide input voltage range for normal mode ensures that batteries are used only if necessary – in fact, only when the input voltage is completely lost.

The ability to extend the backup time by adding battery modules allows you to precisely adjust the required autonomy time.

The high output power factor PF=1 guarantees up to 30% more active power compared to other power supplies in this class.

Wide input frequency range for normal mode makes possible to freely use the power supply in a mixed network of city-generator.

Auto restart guarantees maintenance-free operation in case of long power failure.

Cold start provides possibility to launch UPS without main voltage.

Advanced battery management guarantees optimum battery charging and usage. The 3-stage charging process extends their service life up to 50% and reduces operating costs.

Excellent voltage quality achieved by using the IGBT (3L) inverter and high frequency PWM modulation ensures that the voltage is delivered in extremely stable parameters, regardless of power interference and the type of power supply.

Overload resistance is reliable power supply with transient states and high fault tolerance.

Advanced software gives the user complete control over the device and the power receivers.

EPO connector provides the ability to remotely switch off the power supply in the case of fire.

Outlets C13 and C19 allows you to direct connection of the devices without additional insstallation.

Parallel operation provides maximum reliability for critical load.

FLIX 6K

Model	FLIX 6K
Power	**6 kVA / 6 kW**
No. Of phases IN : OUT	1:1
Input	
Nominal voltage	208 / 220 / 230 / 240 VAC
Voltage range	100 ÷ 300 Vac
Frequency	50 / 60 Hz
Frequency range	40 ÷ 70 Hz
THDi	<3%
Input power factor	≥0,99
Output	
Nominal voltage	208 / 220 / 230 / 240 VAC
Output power factor	1,0
Voltage regulation static/dynamic	±1% / ±3%
Frequency	50 / 60 Hz ± 0,05 Hz
Overload capacity Line mode	102% - bez limitu, 105% - 30 min., 125% - 10 min., 150% - 30 s, >150% - 500 ms
Efficiency On-Line mode	>96%
Efficiency Eco mode	99%
Terminal board	yes
Outlets	8 x IEC 320 C13 (10A); 2 x IEC 320 C19 (16A)
Creast factor	3:1
Batteries	
Cold start	Yes
Connector for external batteries	Yes (option)
Regulable battery string	16 / 18 / 20 pcs
Internal batteries	16pcs x 7Ah/9Ah
Charger	1-12 A
Weight and dimensions	
Dimensions and weight of UPS (W x D x H)	440 x 753 x 178 (4U)
	15,0 kg (empty) / 60,0 kg (with 16x9Ah)
Communications	
Working indicator	LCD + indicators LED, alarm sound alarm
Communications	Standard: USB, RS232, Smart slot, REPO Options: AS400 card, SNMP card
Environmental	
Noise level	<50 dB
Operating temperature for UPS	0°C ÷ 40°C
Recommended operating temperature for UPS	15°C ÷ 25°C
Storage temperature	-25°C ÷ 55°C
Humidity	0 ÷ 95% (without condensing)
Certification	
Standards	EN 62040-2:2005, EN 62040-2:2006
Safety	IEC62040-1-1, CE, 62040-3 :2001
Options	
- SNMP card - Environmental sensor (EMD) - Maintenance bypass - REPO	- AS400 card - Additional battery module - Rail kits 19”