

TECHNOLOGY: **TRUE ON LINE Double Conversion**

CLASSIFICATION: **VFI-SS-111** (EN 62040-3)

POWER RANGE: **1 kVA**

No. OF PHASES: **1:1**



## ■ APPLICATION

- Servers
- Workstations
- Industrial facilities and equipment
- Laboratory apparatus
- Telecommunication
- Automation and control systems

## ■ SPECIFICATION

**Technology True On-Line** Double Conversion provides excellent output voltage parameters regardless of power disturbances and the type of receivers being powered.

**Rectifier IGBT** the most advanced technology ensuring very low THDi and high power factor.

**Automatic bypass - uninterrupted** ensures uninterrupted power supply to critical loads such as overheating or failure.

### Communication interfaces:

**RS232, USB** to monitor and manage the operation of the power supply and receivers,

**SNMP** integration with NMS network management systems ,  
**Remote switch connector against Fire (REPO)** to ensure remote disconnection of power supply to receivers in the event of a fire,  
**Switch against Fire (EPO)** on the control panel it enables immediate disconnection of power from the receivers,

**LCD panel** clearly informs about the operating mode, parameters of the UPS and enables configuration of the UPS parameters.events.

**Small dimensions**, so minimal space is required to install the device.

**High efficiency of the device 90%** minimizes energy consumption and limits the heat emitted, which makes possible cooling of rooms cheaper.

**ECO-Mode (HE)** It allows for a significant reduction of the unit's operating costs and virtually eliminates heat emission.

**CVCF frequency converter mode** allows the power supply to operate in the output frequency conversion mode up to 50 or 60 Hz to power custom receivers.

**Automatic diagnostics** fully digital control (32 bit DSP x2) guarantees full device efficiency, control of components and operating parameters without the need for user intervention.

**High value of the input power factor** limits the value of the current consumed by the device from the network.

**High value of the output power factor** guarantees even more active power compared to other power supplies of this class

**A wide range of input frequencies** in the normal operation mode, it allows free use of the power supply in a network with unstable parameters and power supply from the generator set.

**TOWER compact housing** makes the UPS take up little space and is suitable for installation both under the desk and in places with limited space.

**Autorestart** guarantees unattended operation of the device in the event of long power outages.

**Excellent quality of output voltage** achieved thanks to the use of high-frequency PWM modulation, ensures that voltage with extremely stable parameters is supplied, regardless of energy interference and the type of powered devices.

**High overload** it is supply reliability in the presence of transients and high tolerance to operating errors.

**Advanced software** allowing the user full control over the device and powered receivers.

**Battery start** (so-called cold start) gives the possibility to start the power supply even in the event of a complete lack of power supply.

# UNINTERRUPTIBLE POWER SUPPLY

Power		900 W
No of phases IN : OUT		1:1
<b>Input</b>		
Nominal voltage		208 / 220 / 230 / 240 VAC
Voltage range		110 ÷ 300 VAC
Frequency		50/60 Hz
Frequency range		47 – 63 Hz
THDi		<3%
Input power factor		>0,99
<b>Output</b>		
Nominal voltage		208 / 220 / 230 / 240 VAC
Power factor		0,9
Static / dynamic voltage regulation		±1% / ±3%
Nominal frequency		50/60 Hz ±0,05 Hz
Inverter overload resistance		110% - 10 min., 130% - 60 sec., >130% - 3 sec.
Efficiency in On-Line mode		90%
Efficiency in Eco mode		99%
Crest factor		3:1
No. of outlets		3 x IEC320 C13
<b>Battery</b>		
Cold start		Yes
Internal batteries		2 pcs
Charging time		3 - 8 hours to 90% capacity (configurable)
Charging cycle		According to DIN 41773 with automatic shutdown of charging according to the criterion of current and voltage, with time control.
<b>Dimensions and weight</b>		
Dimensions and weight UPS (W x D x H)		145 x 282 x 220 mm
		9,8 kg
<b>Signaling and communication ports</b>		
Work status indicator		LCD + audible alarm
Standard communication		RS232, USB, slot for optional card, EPO
<b>Environmental conditions</b>		
Noise level		<49 dB
Permissible operating temperature		0°C ÷ 40°C
Recommended working temperature		15°C ÷ 25°C
Storage temperature		-25°C ÷ 55°C
Humidity		0 ÷ 95% (without condensation)
<b>Standards</b>		
Resistance to interference		EN 62040-2:2005, EN 62040-2:2006
Safety		IEC62040-1-1, CE, 62040-3 :2001
<b>Optional equipment</b>		
- SNMP card, - RS485 (MODBUS) card, - AS400 mini (dry-contact) card, - Automatic transfer switch (ATS) - EPO - Environment monitor device		

