

BASIC

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.

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Model	BASIC 1kVA
Power	900 W
No of phases IN : OUT	1:1
Input	
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
Output	
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
Battery	
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.
Dimensions and weight	
Dimensions and weight UPS (W x D x H)	145 x 282 x 220 mm
	9,8 kg
Signaling and communication ports	
Work status indicator	LCD + audible alarm
Standard communication	RS232, USB, slot for optional card, EPO
Environmental conditions	
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)
Standards	
Resistance to interference	EN 62040-2:2005, EN 62040-2:2006
Safety	IEC62040-1-1, CE, 62040-3 :2001
Optional equipment	
- SNMP card, - RS485 (MODBUS) card, - AS400 mini (dry-contact) card,	- Automatic transfer switch (ATS) - EPO - Environment monitor device