

CORE

TECHNOLOGY:	TRUE ON LINE Double Conversion
CLASSIFICATION:	VFI-SS-111 (EN 62040-3)
POWER RANGE:	1 - 10 kVA
No. OF PHASES:	1:1



■ APPLICATIONS

- Computers network
- Data processing centers
- Industrial equipment
- Clusters
- Tele information systems
- Rack 19" cabinets

■ 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, RS485, DryContact, SNMP for UPS and load supervision and control,

Remote emergency power off (REPO) provides remote shutting off the load and UPS in the case of emergency.

Emergency power off (EPO) on UPS provides very quickly shutting off the load and UPS.

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

Small dimensions requires small area for unit operation.

High efficiency (>95%) reduces heat dissipation and limits power consumption costs.

ECO-Mode gives possibility of significant cost reduction and in practice stops heat emission.

The highest output power factor 1,0 for 6 kVA and 10 kVA allows load of versatile characteristics to be powered.

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.

Wide input frequency range for normal mode gives possibility for seamless operation with different power sources – as mains or the generating set.

Simple maintenance microprocessor control and 24/7 operation mode means that unit does not require specialized handling.

Advanced battery management gives reliability of optimal charging and using batteries, elongates its lifetime and reduces operating costs.

Advanced software provides to customer full control of unit and load.

User configurable settings enable user to set nominal voltages, frequency, preferred operating modes.

Cold start provides possibility to launch UPS without main voltage.

Automatic diagnostics and fully digital control ensure that components and parameters are controlled without user interference.

High input power factor 0,99 reduces the value of current drawn from the mains.

CORE

Model	Core 1K	Core 2K	Core 3K	Core 6K	Core 10K
Power	1000 VA / 900 W	2000 VA/ 1800 W	3000 VA / 2700 W	6000 VA / 6000 W	10 kVA / 10kW
No. Of phases IN : OUT	1:1				
Input					
Voltage	208 / 220 / 230 / 240 VAC				
Voltage range	-20% ÷ +30%				
Frequency	50 / 60 Hz				
Frequency range	-20% ÷ +30%		-10% ÷ +10%		
THDi	<3%				
Input power factor	≥0,99				
Output					
Voltage	208 / 220 / 230 / 240 VAC				
Output power factor	0,9		1,0		
Frequency	50 / 60 Hz				
Overload capacity inverter				110% - 10 min., >130% - 1 min.	
Efficiency On-Line mode	>92%		>93%		>95%
Efficiency Eco mode	99%				
Creast factor	3:1				
Batteries					
Cold start	Yes				
Amount of batteries in string	3 x 9 Ah	6 x 9 Ah		20 x 9 Ah	
Charging time	3 – 8 hours up to 90% of capacity (configurable)				
Weight and dimensions					
Dimensions and weight of UPS (W x D x H)	44 x 41 x 8,7 (2U)		44 x 63 x 8,7 (2U)		44 x 58 x 8,7 (2U)
Core 1-3K with internal batteries	14,6 kg	26,9 kg	27,4 kg	15 kg	18 kg
Communications					
Working indicator	LCD + indicators LED, alarm sound alarm				
Communications	USB, RS232, Smart slot, EPO Options: Dry Contact, SNMP, REPO, parallel work				
Environmental					
Noise level	<50 dB		<55 dB		<58 dB
Operating temperature for UPS	0°C ÷ 40°C				
Recommended operating temperature for UPS	15°C ÷ 25°C				
Storage temperature	-20°C ÷ 40°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 cards	- Parallel card				
- Environmental sensor (EMD)	- Drycontact				

