

CORE 3K TL

TECHNOLOGY:	TRUE ON LINE Double Conversion
CLASSIFICATION:	VFI-SS-111 (EN 62040-3)
POWER RANGE:	3 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 (VFI with IEC62040) provides excellent voltage parameters regardless of power disturbances and the type of consumers being powered.

Automatic bypass (type Static Switch) ensures the uninterrupted supply of receivers in critical situations such as overheating or failure..

Communication:

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

Expansion card slot allows you to connect an SNMP card to manage the UPS from the network.

LCD panel in a clear way informs about the operating mode, power supply parameters and allows configuration of UPS parameters.

Small dimensions thanks to which a minimum space is required for the installation of the device.

High efficiency minimizes energy consumption and reduces the heat emitted, which makes possible cooling of rooms is cheaper.

ECO mode (high efficiency mode) allows you to achieve 99% efficiency and additional energy saving.

CVCF frequency converter mode allows the UPS to operate in the mode of converting the output frequency to 50 or 60 Hz for supplying non-standard receivers.

Automatic diagnostics guarantees full device efficiency, component control and work parameters without user intervention.

Wide range of input voltages for normal operation, the use of batteries by the UPS is limited to the necessary minimum, practically only in cases of complete power outage.

The possibility of prolonging the backup time by adding battery modules it enables precise selection of the required autonomy time.

Extra charger allows you to connect a battery with a capacity of up to 120Ah and obtain extremely long autonomous operating times.

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

Wide range of input frequencies in normal operation, it enables free use of the power supply in a mixed network - urban network - generator.

Autorestart guarantees maintenance-free operation of the device in case of long power outages.

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

Advanced battery management guarantees optimal charging and use of accumulator batteries, extends their service life by 50% and lowers operating costs.

Excellent voltage quality achieved thanks to the use of high frequency PWM modulation, it provides the voltage with extremely stable parameters, regardless of the power disturbances and the type of devices supplied.

Resistance to overloading it is the power reliability in the presence of transients and high tolerance for operating errors.

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

Adjustable fan speed ensures quiet operation, efficient cooling and extends the operation of fans.

CORE 3K TL

Model	CORE 3K TL
Power	2,4kW / 3kVA
No. Of phases IN : OUT	1:1
Input	
Nominal voltage	208 / 220 / 230 / 240 Vac
Voltage range	110÷300 Vac
Frequency	50 / 60 Hz
THDi	<3%
Input power factor	≥0,99
Output	
Nominal voltage	208 / 220 / 230 / 240 Vac
Power factor	0,8
Static / dynamic voltage regulation	±1% / ±3%
Nominal frequency	50 / 60 ± 5% Hz
Inverter overload resistance	110% - 10 min., 130% - 60 s., >130% - 3s.
Efficiency in On-Line mode	>92%
Efficiency in Eco Mode	99%
Creast factor	3:1
Battery	
Battery start	Tak
Number of battery in string	8 psc. battery 12V
Current charger	1A/2A/4A/6A
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	
UPS dimensions and weight (W x D x H) without batteries.	145 x 397 x 220 mm 7,4 kg
Signaling and communication ports	
Work status indicator	LCD + sound alarm
Communication	USB, slot SNMP
Environmental conditions	
Noise level	<46 dB
Permissible operating temperature	0°C ÷ 45°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	
- ATS (automatic power switch)	- Batteries on a rack or battery modules
- SNMP card	- Emergency switch REPO
- Sensor of environmental conditions (EMD)	

The publication lists the parameters of standard models. Due to continuous improvement of the product, we reserve the right to change parameters without prior information.