

Features:

- Tower standalone metal case
- High frequency switching, transformerless
- Online – double conversion
- Active input PFC filter
- Wide input voltage range (110V-300V)
- Output power factor - 0,9
- Frequency auto-select
- Cold start
- ECO mode – higher efficiency
- LCD menu display
- Internal system bypass
- Selectable low battery voltage level
- Self-test on startup
- Advanced battery management
- Overcurrent protection, low battery voltage protection
- Auto-battery charger in OFF mode
- Fan speed control
- USB communication port,
- Optional EPO socket (emergency power off)
- Auto recovery after mains supply back
- External battery cabinet slot



Application: Telecommunication systems, personal computers, data center , control systems, measuring systems, servers.

VFI-SS-111



1f/1f

IP20

6x
IEC C13

AGM
72V



AUTO
RECOVER



HF

ONLINE

TOWER

PF=0,9



230V AC
50Hz

AVR

USB

SUPER
CHARGER

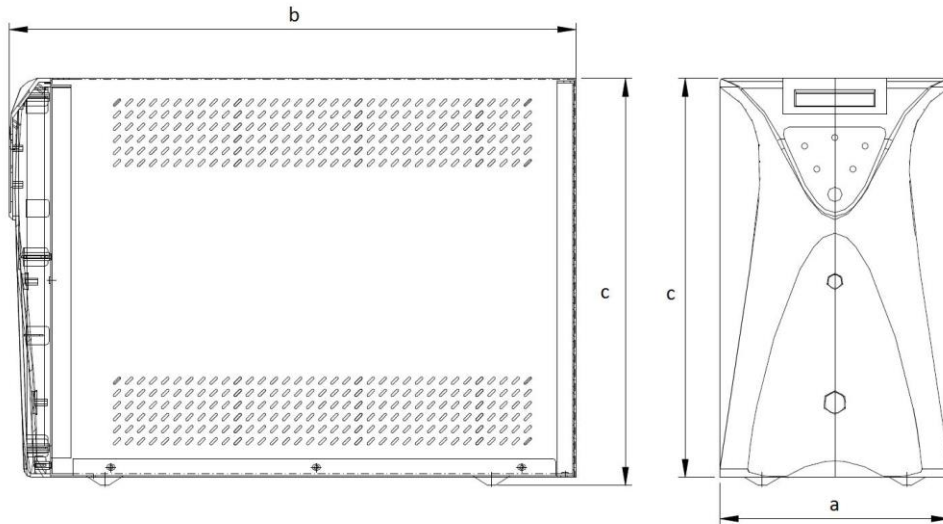


Technical parameters:

MODEL	TS1-ON-2k0-MC-6x9
Output power (apparent/active)	2kVA/1800W
INPUT	
Rated input voltage	230Vac
Input voltage range	Half power (115-295) \pm 5Vac, full power (145-295) \pm 5VAC , 45-55Hz \pm 0,5%Hz
Power factor	\geq 0,98
Bypass voltage range	Rated voltage -34V / + 32V
OUTPUT	
Output voltage	208V/220V/230V/240VAC selectable by LCD
Voltage regulation	\pm 1%
Frequency	Synchronized with utility in mains mode, 50/60Hz \pm 0,2Hz in battery mode
Output waveform	Pure sine
Harmonic distortion	\leq 3% (linear load), \leq 5% (non-linear load)
Transfer time	Mains mode to battery mode: 0ms, battery mode to bypass: 4ms (typ.)
Overload capacity	105%-125%: transfer to bypass mode in 60s; 125%-150%: transfer to bypass mode in 30s, >150%: transfer to bypass mode in 300ms
Output sockets	6x IEC C13
EFFICIENCY	
Mains mode/AC	\geq 90%
Battery mode	\geq 87%
ECO mode	\geq 98%
BATTERY	
Working voltage	72V
Configuration	6x MWH 9-12 (or MWL 9-12L)
Charger current	1A
Backup time (min.) 100%/75%/50%	5 min / 9min / 16min
Typical recharge time	8 hours for 90% capacity
ALARMS	
Utility fault	Beep/4s
Low battery voltage	Beep/1s
Overload	Twice beep/1s
UPS fault	Long beep
ENVIRONMENT	
Humidity	20~90% RH @ 0~40°C (non-condensating)
Noise level	\leq 50 dB (1m)
COMMUNICATIONS	
USB (Standard) /RS-232 option	Support with Windows®98/2000/2003/XP/Vista/2008/Windows®7/Windows®8
SNMP (option)	Power management from SNMP manager and web browser
DIMMENSION & WEIGHT	
Weight netto/brutto (kg)	
Lenght/width/height (mm) a / b / c	

Box length/width/height (mm)	
STANDARDS	
LVD	EN62040-1:2008
EMC compability	EN62040-1:2006 EN61000-3-2:2006 + A1:2009 + A2:2009 EN61000-3-3:2013

Technical drawings:



Standard accessories:

- internal battery MWH 9-12
- USB port
- USB cables
- UPSmart software
- RACK handle
- stand
- user manual



Additional accessories (options):

- RS-232 port
- AGM: MW 7.2-12, MWH 9-12, MWL 9-12L
- RS-232 cables
- RS-232 -> USB converter
- SNMP card
- AS400 relay dry contact
- EPO port

