





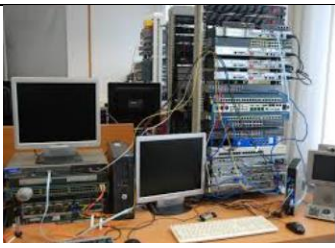

Features

- Pure sine outout wave
- True online double conversion – 0 second switch, topology VFI-SS-111
- Tower standalone metal case
- Output voltage and frequency are input independent
- Battery autocharging
- Remote control and management
- User LCD MENU interface.

Photo



Typical applications

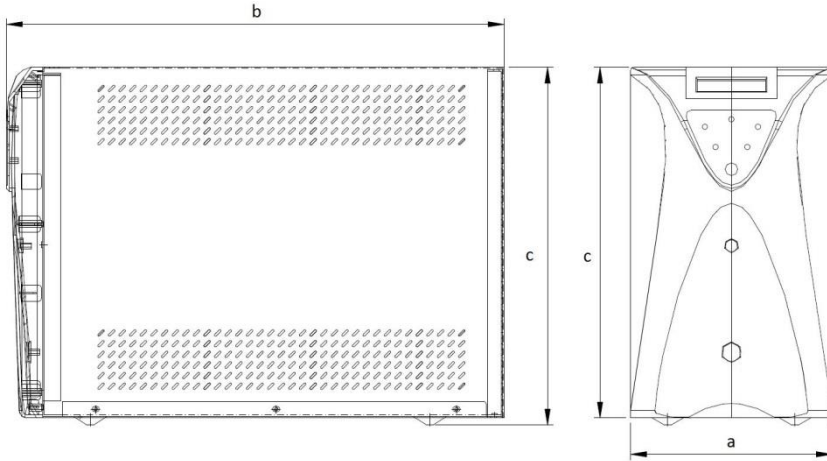
		
Telecommunication systems	Servers	Industrial
		
Data center	Measurments	Drives




Technical parameters

MODEL	TS1-ON-1k0-MC-3x9	TS1-ON-2k0-MC-6x9	TS1-ON-3k0-MC-8x9
Rated power (reactive/active)	1000VA/900W	2000VA/1800W	3000VA/2700W
INPUT			
Input voltage	Rated: 230VAC Range: 176Vac – 280Vac Bypass range: 172Vc – 264Vac		
Input voltage frequency	50/60Hz ± 10% (auto selekcja)		
Power factor	PF >0,99		
Connector:	IEC C14	IEC C14	IEC C20
OUTPUT			
Output voltage	Mains mode: 230Vac +/- 1%, Battery mode: 230Vac +/- 1%,		
Output voltage frequency	50/60Hz ± 1% (auto selection)		
Wave form	Mains mode: pure sine Battery mode: pure sine		
Transfer time	Mains -> battery: 0ms To bypass: 4ms		
THD	THD <3% linear THD <5% non-linear		
Output sockets	IEC C13 3szt	IEC C13 6szt	IEC C13 6szt
Efficiency	Praca sieciowa: >90% Praca bateryjna: >85% W trybie ECO: >95%	Praca sieciowa: >91% Praca bateryjna: >86% W trybie ECO: >96%	Praca sieciowa: >92% Praca bateryjna: >87% W trybie ECO: >97%
PF	0,9		
Crest factor	3:1		
Load type	Rezystancyjne, indukcyjne, pojemnościowe, prostownikowe		
Overload:	105%...125%: transfer to bypass after 1min 125%...150%: transfer to bypass after 30sek >150%: transfer to bypass after 300ms		
BATTERY			
Type:	LEAD ACID VRLA AGM 12V		
Charger:	1A		
AGM q-ty:	3x 12V/9Ah IPS or MW POWER	6x 12V/9Ah IPS or MW POWER	8x 12V/9Ah IPS or MW POWER
Rated voltage:	36V	72V	96V
Backup time (min) 100%/75%/50%:	5min / 9min / 16min	5min / 9min / 16min	4min / 7min / 12 min
Charging time:	8-10h	8-10h	8-10h
Charger voltage:	40,6 +/- 0,5V	81,3 +/- 0,9V	108,4 +/- 1V
Additional battery bank:	1szt KU-BAT-2URT-3x9-BC36	1szt KU-BAT-2URT-6x9-BC72	1szt KU-BAT-3URT-8x9-BC92

MODEL	TS1-ON-1k0-MC-3x9	TS1-ON-2k0-MC-6x9	TS1-ON-3k0-MC-8x9
Rated power (reactive/active)	1000VA/900W	2000VA/1800W	3000VA/2700W
PROTECTIONS			
Full protections	Overload, short-circuit, overvoltage, temperature, overdischarge, deep discharge		
BACKUP TIME			
Backup for 100% load	5min	5min	4min
Backup for 75% load	10min	10min	8min
Backup for 50% load	17min	17min	15min
Backup for 25% load	40min	40min	30min
Additional battery pack:	1pcs KU-BAT-2URT-3x9-BC36	1pcs KU-BAT-2URT-6x9-BC72	1pcs KU-BAT-3URT-8x9-BC96
ENVIRONMENT			
Humidity	20~90% RH @ 0~40°C (non-condensated)		
Noise	Fan rotation auto-selected		
DIMMENSION & WEIGHT			
Weight netto/brutto (kg)	13 / 14,4kg	25,7 / 27,4kg	32 / 34 kg
Dimensions width/depth/height (mm) a/b/c	144 / 414 / 214 mm	191 / 418 / 335 mm	191 / 464 / 335 mm
Packing width/depth/height (mm)	231 / 492 / 316 mm	318 / 533 / 471 mm	320 / 573 / 471 mm
ALARMS			
Fail	Long beep 4 sek		
Low battery level	beep 1 sek		
Protections	2x beep / 1sek		
Utility error	beep		
COMMUNICATIONS			
USB	Linux, Windows®98 Server 2016, Windows®98/2000/2003/XP/Vista/2008/Windows®7/Windows®8/ Windows®10/, UPSmart software		
Communication slot	KU-CARD-SNMP, Ethernet communications		
	KU-CARD-AS400, dry contacts		
	KU-CARD-MODBUS, modbus		
Port RS232	yes		
EPO	EPO – Emergency Power OFF		
REGULATIONS			
Conversion type:	VFI-SS-111		
LVD:	EN62040-1:2008		
EMC:	EN62040-1:2006		
	EN61000-3-2:2006 + A1:2009 + A2:2009		
	EN61000-3-3:2013		

Mechanical:



MODEL	TS1-ON-1k0-MC-3x9	TS1-ON-2k0-MC-6x9	TS1-ON-3k0-MC-8x9
EAN	 5 902135 120965	 5 902135 120972	 5 902135 120989
MODEL	TS1-ON-1k0-MC	TS1-ON-2k0-MC	TS1-ON-3k0-MC
Tylny panel	