

Features

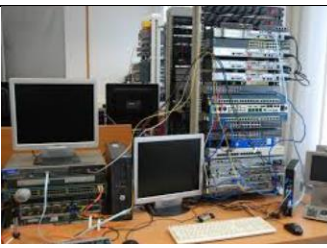
- Pure sine output wave (true sin),
- Long backup time (only external battery set),
- True online double conversion – topology VFI-SS-111
- 2U RACK 19" system
- Output voltage and frequency fully independent
- Automatic battery charger, and 0ms transfer time
- External communication
- User friendly MENU

Photo



VFI-SS-111

Application

		
Servers	Discs	Industry
		
Data center	Measurement	Motors

Technical parameters – long backup – external batteries set

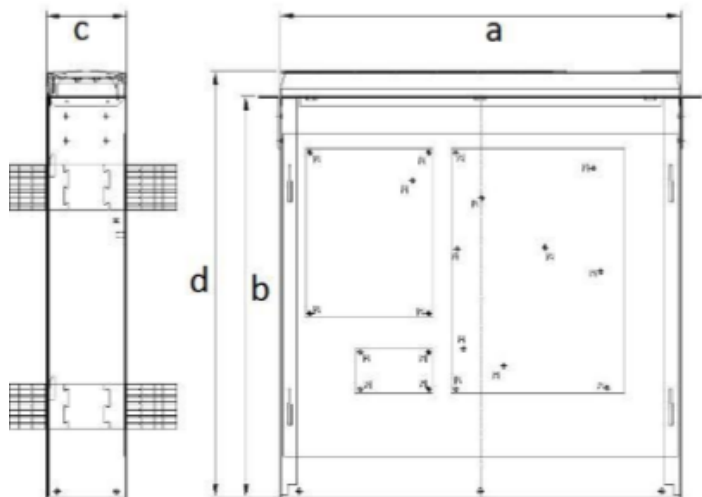
MODEL	RTS-ON-1k0-2U-BC36	RTS-ON-2k0-2U-BC72	RTS-ON-3k0-2U-BC96
Rated power (reactive/active)	1000VA/900W	2000VA/1800W	3000VA/2700W
INPUT			
Input voltage:	Rated: 230VAC Input range: 176Vac – 280Vac Bypass: 172Vc – 264Vac		
Input voltage frequency	40-70Hz autoselection		
Power factor	PF >0,99		
Connector:	UNISHUKO, 1m	UNISHUKO, 1m	UNISHUKO, 1m
OUTPUT			
Output voltage :	Mains mode: 230Vac +/- 1%, Battery mode: 230Vac +/- 1%,		
Output voltage frequency:	50/60Hz ± 1% (auto selekcja)		
Wave form:	Mains mode: pure sinus, Battery mode: pure sinus		
Transfer time:	Mains -> battery: 0ms To bypass: 4ms		
THD:	THD <3% linear load THD <5% non linear load		
Output sockets:	IEC C13 4pcs	IEC C13 8pcs	IEC C13 8pcs
Efficiency:	Mains mode: >90% Battery mode: >85% ECO mode: >95%	Mains mode: >91% Battery mode: >86% ECO mode: >96%	Mains mode >92% Battery mode: >87% ECO mode: >97%
PF:	0,9		
Load type:	Resistance, induction, capacity, rectifier		
Overload protections :	105%...125%: transfer to bypass in 1 min 125%...150%: transfer to bypass in 30sec >150%: transfer to bypass in 300ms		
BATTERY			
Type:	Lead Acid VRLA AGM 12V		
Charger current:	6A		
Charger current options:	3A, 6A		
Battery q-ty :	3x 12V IPS / MW POWER	6x 12V IPS / MW POWER	8x 12V IPS/ MW POWER
Battery voltage system:	36V	72V	96V
Backup time 100%/75%/50%:	---	---	---
Charging time:	8-10h*	8-10h*	8-10h*
Charger voltage:	41,4V +/- 1V	82,8V +/- 1V	110,4V +/-1V
Battery capacity range:	3szt 12V 18-100Ah	6szt 12V 18-100Ah	8szt 12V 18-100Ah
Battery packs:	KU-BAT-2URT-6x9-BC36 (1-3pcs)	KU-BAT-2URT-6x9-BC72 (2-3pcs)**	KU-BAT-3URT-16x9-BC96 (1-2pcs)**

*in case battery capacity, and charging time

** MOQ is connected with min charger current 3A.

MODEL	RTS-ON-1k0-2U-BC36	RTS-ON-2k0-2U-BC72	RTS-ON-3k0-2U-BC96
Rated power (reactive/active)	1000VA/900W	2000VA/1800W	3000VA/2700W
PROTECTIONS			
Full protections	Overload, short-circuit, overvoltage, overtemperature, battery overcharge, deep discharge		
ENVIRONMENT			
Working humidity	20~90% RH @ 0~40°C (non-condensate)		
Noise	Depend the load		
WEIGHT			
Waeight netto/brutto (kg)	7,6 / 11,1kg	9,66 / 13,8kg	10 / 13,5 kg
Dimmensions w./d./h. (mm) a/b/c	440 / 468 / 88 mm	440 / 468 / 88 mm	440 / 468 / 88 mm
Packing w./d./h. (mm)	545 / 592 / 198 mm	545 / 592 / 198 mm	545 / 592 / 198 mm
ALARMS			
Fail	Long beep 4 sek		
Battery low level	beep 1 sek		
Overload	2x beep / 1sek		
Utility	Solid beep		
COMMUNICATION			
Port USB (standard)	Linux, oraz Windows®98 Server 2016, Windows®98/2000/2003/XP/Vista/2008/Windows®7/Windows®8/ Windows®10/, UPSmart (polish, english)		
SNMP (option slot)	KU-CARD-SNMP, external internet managment		
Dry contact (option slot)	KU-CARD-AS400		
Port RS232 (standard)	Comunication RS-232		
Modbus	KU-CARD-MODBUS		
EPO (standard)	EPO – Emergency Power OFF		
REGULATIONS			
Topology:	VFI-SS-111		
LVD:	EN62040-1:2008		
EMC:	EN62040-1:2006		
	EN61000-3-2:2006 + A1:2009 + A2:2009		
	EN61000-3-3:2013		

Dimensions:



Standard accesories:

- port USB
- przewód USB
- oprogramowanie UPSmart
- instrukcja obsługi
- przewód zasilający UNISHUKO
- złącze bateryjne
- Złącze EPO



Akcesoria dodatkowe (opcje):

- karta SNMP
- karta przekaźnikowa AS400



MODEL	RTS-ON-1k0-2U-BC36	RTS-ON-2k0-2U-BC72	RTS-ON-3k0-2U-BC96
EAN		 5 902135 131442	 5 902135 131459

External battery list

MODEL	RTS-ON-1k0-2U-BC36	RTS-ON-2k0-2U-BC72	RTS-ON-3k0-2U-BC96
IPS 18-12 / MW 18-12	3 pcs	6 pcs	8 pcs
IPS 26-12 / MW 26-12	3 pcs	6 pcs	8 pcs
IPS 28-12h / MW 28-12	3 pcs	6 pcs	8 pcs
IPS 33-12 / MW 33-12	3 pcs	6 pcs	8 pcs
IPS 40-12 / MW 40-12	3 pcs	6 pcs	8 pcs
IPS 55-12 / MWL 55-12	3 pcs	6 pcs	8 pcs
IPS 65-12h / MWL 65-12h	3 pcs	6 pcs	8 pcs
IPS 80-12 / MWL 80-12	3 pcs	6 pcs	8 pcs
IPS 100-12h / MWL 100-12h	3 pcs	6 pcs	8 pcs
IPSFT 55-12 / MWLFT 55-12	3 pcs	6 pcs	8 pcs
IPSFT 105-12 / MWLFT 105-12	3 pcs	6 pcs	8 pcs
IPSFT 150-12 / MWLFT 150-12	3 pcs	6 pcs	8 pcs

MODEL	RTS-ON-1k0-2U-2x9	RTS-ON-2k0-2U-4x9	RTS-ON-3k0-2U-6x9
Rear panel			