

VTRN-RT110 Series UPS System

1-10kVA (220V/230V/240V)

Voltran VTRN-RT110 Rack and Tower UPS series, ranging from 1kVA to 10kVA, is double conversion online rack UPS with fully DSP controlled technology. The single phase of 1-10KVA UPS applies the advanced 3-level technology, achieving a efficiency up to 95%. With its compact design of high power density (kW=kVA) in 2U height, Voltran-RT110 Rack and Tower UPS series make it ideal choice for computers, telecommunication equipment and other sensitive devices.



VOLTRAN

STANDARDS

- ✦ IEC EN 62040, EN60950
- ✦ EMC (2004/108/EC)
- ✦ ISO 9001
- ✦ CE conformity
- ✦ GOST conformity

CONSTRUCTION

- ✦ Transformerless design
- ✦ Modular DSP controls
- ✦ Overload & short circuit protection
- ✦ RS232 Port ,USB,SNMP and Dry Contacts.

OTHER FEATURES

- ✦ True online double conversion
- ✦ Self diagnostics on startup
- ✦ Cold start
- ✦ ECO mode for high efficiency
- ✦ Compatible with generator
- ✦ Lightning & surge protection
- ✦ Paralleling option
- ✦ Emergency Power Off (EPO) Function

SUPPORT

- ✦ 10 years spare parts availability
- ✦ Standard 1 year warranty
- ✦ Optional 2 year warranty

APPLICATION

Data Centers & Servers, Telecommunications, Industrial and Manufacturing Plants, Medical Facilities, Banking & Financial Institutions, Computers & Networks, Equipment, Security Systems, Military & Defense, Emergency Systems, Laboratories, Remote Monitoring Systems.

FEATURES

- ✦ Wide range of input voltage while input PF>99%
- ✦ 19" standard cabinet and battery cabinet
- ✦ Full protection of overvoltage, circuit short and over temperature
- ✦ LCD/LED display, monitoring all the operation status
- ✦ Automatic fan speed adjustment
- ✦ Abundant interface: RS232,USB, SNMP, Intelligent Card
- ✦ High efficiency, up to 95%
- ✦ kVA=kW, output PF=1
- ✦ Intelligent charging management, effectively improving the life time of battery
- ✦ 3 level of technology, compatible with complicated load



SPECIFICATION

MODEL	VTRN-RT1101S	VTRN-RT1102S	VTRN-RT1103S	VTRN-RT1106S	VTRN-RT1110S
	VTRN-RT1101L	VTRN-RT1102L	VTRN-RT1103L	VTRN-RT1106L	VTRN-RT1110L
Capacity	1kVA	2kVA	3kVA	6kVA	10kVA
Input voltage range	110Vac-288Vac				
	100% load@>176Vac; 80% load@>154Vac 70% load@>132Vac; 50% load@>110Vac			100% load@>176Vac; 90% load@>160Vac 80% load@>140Vac; 60% load@>110Vac	
Input frequency	40-70Hz				
Input PF	≥0.97			≥0.99	
Voltage regulation	±1 %				
Output frequency	50/60Hz				
Output PF	0.9			1.0	
Overload capability (Inverter mode)	105%-130%: to bypass 1 min; 150%: to bypass after 30 sec			110%:for 10 min ;125%:for 1min ; 150%:for 30 sec	
Overload capability (Battery mode)	105%-130%: shutdown after 10 sec; 150%: shutdown after 5 sec			110%: shut down after 1 min; 130%:shut down after 10 sec; >130%: shut down after 200 ms	
Crest factor	3:1				
Efficiency	87%	91%	90%	95%	
Display	LED+LCD				
Battery voltage	36Vdc	72Vdc	96Vdc	192Vdc	
Battery type/number	12V,7Ah*3	12V,7Ah*6	12V,7Ah*8	12V,7Ah*16	12V,9Ah*16
	External				
Interface	RS232,EPO				
Optional	USB, SNMP, Dry contacts			USB, SNMP, ECO kit, Dry contacts, Battery cabinet	
Operation temperature	0-40℃				
Relative humidity	0-95%(non-condensing)				
W*D*H(mm)	440*430*86	440*480*173	440*480*173	440*660*173	440*480*173
	440*379*86	440*568*86	440*719*86	440*753*173	440*719*86
	440*430*86	440*480*86	440*480*86	440*550*86	440*480*86
	440*379*86	440*450*86	440*450*86	440*487*86	440*450*86
Weight(kg)	11.5	25	31	59	67
	7	8	9.5	17.5	20.5