

VTRN-RT33 Series Online UPS System

10-40KVA (380V/400V/415V)



VOLTRAN

Voltran VTRN-RT33 Series Rack and Tower UPS is a high-performance double conversion online UPS featuring fully DSP-controlled technology. Its flexible configuration options of 3/3 and 3/1 make it adaptable to various power protection needs. Designed with a compact footprint, it is an ideal solution for modern data centers that require reliable, efficient, and space-saving power backup. The RT33 Series ensures continuous power supply, enhanced stability, and advanced management features to support your critical infrastructure effectively



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: Ensures server and network uptime
Telecommunications: Maintains communication systems
Banking & financial institutions: Protects transaction systems
Healthcare: Supports medical equipment and records
Industrial automation: Stabilizes control and automation systems
Emergency & security systems: Keeps surveillance & alarms operational
Office environments: Safeguards workstations and VoIP systems

FEATURES

- ✦ IDC(Internet Data Center), network servers and workstation, control system, communication system, office, PC etc
- ✦ Rack Design
- ✦ Rack design, compatible with 19" standard rack cabinet, convenient to be integrated with servers
- ✦ Friendly Interface
- ✦ 5.5" touch color LCD with graphic display, more information displayed and easier for customer to operate
- ✦ Flexible configuration
- ✦ The system can be configured to 3/3 and 3/1
- ✦ Intelligent charging management
- ✦ The system intelligently controls the whole process of the charging and discharging, effectively improving the life time of the battery.



SPECIFICATION

MODEL	VLTN-RT3310	VLTN-RT3315	VLTR-RT3320	VLTR-RT3325	VLTR-RT3330	VLTR-RT3340
Power Rating	10KVA/10KW	15KVA/15KW	20KVA/20KW	25KVA/25KW	30KVA/30KW	40KVA/40KW
Input	3 P + N+ PE					
Rate Voltage	380/400/415VAC (line-ine)					
Rate Frequency	50/60Hz					
Input Voltage Range	304~478Vac (line-ine),full load					
	228V~304Vac (line-ine), full load; 228V~304Vac(line-ine), derate from 75% to 100% load					
Input Frequency Range	40Hz~70Hz					
Input PF	>0.99					
Input THDi	<4% (100% Linear Load)		<3% (100% Linear Load)			
Rate Voltage	380/400/415Vac (line-ine)					
Rate Frequency	50/60Hz					
Input Voltage Range	Selectable, -40%~+25%					
Bypass Frequency Range	Selectable, ±1Hz, ±3Hz, ±5Hz					
Bypass Overload	125%, Long time;130%,10mins;150%,1min;>150%,1s					
Rate Voltage	380/400/415Vac (line-ine)					
Rate Frequency	50/60Hz					
Output PF	1					
Output THDu	<1% from 0% to 100% linear load <5.5% full non-linear load according to IEC/EN62040-3		<1% from 0% to 100% linear load <5% full non-linear load according to IEC/EN62040-3			
Inverter Overload	110% for 1 hour;125% for 10 min;150% for 1min;>150% for 200ms					
Battery number	±240VDC					
Charger Accuracy	1%					
Charger Capacity	up to 20% *Output power					
Battery Cold Start	Yes					
AC Mode	95.0%max		95.5%max		96.0%max	96.0%max
Battery Mode	94.5%max		95%max		95.5%max	95.5%max
Display	LED + LCD+Touch Screen					
Interface	RS232(only 10-25K), USB(only 40K), RS485, Programmable dry contact					
Option	SNMP,parallel kit		SNMP,parallel kit,LBS			
Operation Temperature	0 ~ 40 °C					
Storage Temperature	-40 ~ 70 °C					
Relative Humidity	0 ~ 95% Non condensing					
Noise (1 meter)	65dB @ 100% load, 62dB @ 45% load					
Dimension W*D*H (mm)	438*780*130		438*780*130		438*700*174	438*700*174
Weigh (kg)	25		30		41	41