

VTRN-T11 Series Online UPS

6-20kVA (220V/230V/240V)



VOLTRAN

Voltran VTRN-T11 series Online Tower UPS ranging from 6kVA to 20kVA, is double conversion online UPS with fully DSP controlled technology. The single-phase UPS applies the advanced 3-level technology, achieving a efficiency up to 95%. With its compact design of high-power density (kW=kVA), Voltran T11 series make it ideal choice for computers, telecommunication equipment and other sensitive devices.



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
- ✦ Lightening & 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

- ✦ High efficiency, up to 95%
- ✦ kVA=kW, Output PF=1
- ✦ 3 level of technology, compatible with complicated load
- ✦ Battery number can be set on LCD
- ✦ Intelligent charging management, effectively improving the life time of battery
- ✦ Smaller size with higher power density
- ✦ Parallel up to 4 units
- ✦ 12A charger for option, charging for large capacity batteries
- ✦ 50Hz/60Hz frequency converter mode Emergency
- ✦ Power off function (EPO)



SPECIFICATION

MODEL	VTRN-T1106-S	VTRN-T1106-L	VTRN-T1110-S	VTRN-T1110-L	VTRN-T1115-L	VTRN-T1120-L
Capacity	6kVA/6kW	6kVA/6kW	10kVA/10kW	10kVA/10kW	15kVA/15kW	20kVA/20kW
Phase	Single Phase In, Single Phase Out					
Input voltage range	110Vac~288Vac					
	100% load@>176Vac; 90% load@>160Vac 80% load@>140Vac; 60% load@>110Vac					
Input THDi	≤4%@100% load; ≤6%@50% load (linear load)					
Input PF	≥0.99					
Input frequency range	40Hz-70Hz					
Output PF	1					
Output voltage	220V/230V/240V					
Voltage regulation	±1%					
THDu	≤2%(linear) ; ≤5% (non-linear)				≤1%(linear) ; ≤3% (non-linear)	
Battery voltage	192/240vdc					
Battery type/number	12V,7Ah*16	External	12V,9Ah*16	External	External	
System efficiency	Normal mode: 95%					
Noise(1 meter away)	<48dB@<70%load; <58dB@>70%load				<50dB@<70%load; <58dB@>70%load	
Overload capability (Inverter Mode)	110%:for 10 min ;125%:for 1min ; 150%:for 30 sec					
Overload capability (Battery mode)	110%: shut down after 1 min; 130%:shut down after 10 sec; >130%: shut down after 200 ms					
Crest factor	3:1					
Display	LED+LCD					
Interface	Standard:RS232 Optional: SNMP, USB, RS485,Dry Contacts,Parallel Kit					
W*D*H (mm)	190*426*705	190*426*336	190*485*705	190*485*336	190*485*480	
Package Weight (kg)	56	14	60	16	33	