

VTRN-CNW110 Outdoor Online UPS

1KVA ~ 10KVA

Voltran VTRN-CNW110 Outdoor online UPS (VTRN-CNW Series) is the ideal solution for providing maximum protection and power quality for outdoor communication equipment and network equipment. It has an effective design of high temperature resistance, cold resistance, salt-spray resistance, corrosion resistance, dust prevention, water resistance and lightning protections, and it is featured with wide range of input voltage and frequency, sinusoidal, stable and reliable output waveform. It provides significant further immunity from mains disturbances and mains power outage for network communication equipment. Therefore, this series UPS are widely used in the outdoor communication base station applications in fields such as communication, radio & television and aviation. It is an excellent choice for medium and large facilities.



APPLICATION

Telecommunications Infrastructure, Traffic Control Systems, Surveillance and Security Systems, Renewable Energy Installations, Industrial & Manufacturing Sites, Public Infrastructure, Oil & Gas and Utility Facilities

FEATURES

- ◆ Provides a pure uninterrupted AC sine wave power supply for the outdoor communication / network equipment
- ◆ The use of high temperature, anti cold, salt spray, anti dust, anti-corrosion, waterproof, lightning protection design
- ◆ IP65 Protection
- ◆ Advanced DSP technology, ensure long life reliability
- ◆ True online double conversion technology
- ◆ Auto static bypass output
- ◆ N+X parallel redundancy
- ◆ DC start function, input PFC revise function
- ◆ Input Line N lines reverse wiring detection
- ◆ Wide input voltage range, zero transfer time
- ◆ Excellent Protection against over voltage, overload, over current, overcharge and so on
- ◆ Strong anti-jamming capability, Lightning, surge, short-circuit, network/fax/modem surge protection.
- ◆ Available to work with generators
- ◆ RS232 intelligent communication monitoring
- ◆ AS-400 Dry contact & SNMP card remote intelligent control
- ◆ The integration of an AC unit will extend the operating temperature range up to 60°C



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



SPECIFICATION

MODEL	VLTRN-CNWI10-1K	VLTRN-CNWI10-2K	VLTRN-CNWI10-3K	VLTRN-CNWI10-6K	VLTRN-CNWI10-10K
Capacity	1KVA/0.8KW	2KVA/1.6KW	3KVA/2.4KW	6KVA/4.8KW	10KVA/8KW
Nominal Voltage	220/230/240VAC				
Frequency	50Hz/60Hz				
Voltage Range	115~295VAC (±3VAC)			176~297VAC (±3VAC)	
Frequency Range	50Hz (46~54 Hz); 60Hz (56~64 Hz)				
Soft Start	0~100% 5sec				
Power factor	0.98				
Voltage Precision	220/230/240VAC x (1±2%) VAC				
Frequency Precsion	50Hz/60Hz ±0.05Hz				
Power Factor	0.8/0.9 (optional), standard 0.8				
Wave Distortion	Linear load <3%, Non-linear load <6%				
Overload Capability	Overload (110~150%) for 30 seconds, automatically transfer to bypass. When the load is back to normal, it can automatically transfer to online mode.				
Crest Factor	3:1				
Transfer Time	0Ms (AC to DC)				
DC Supply Voltage	36VDC	72VDC	96VDC	192VDC	240VDC
Charging Current	4A/8A (optional)	4A/8A (optional)	4A/8A (optional)	4.2A	4.2A/8A
Internal Battery Capacity	(38/65/80/100AH) optional				
LCD	Load level, Battery level, Battery indicator, Utility power, Inverter, Bypass, Overload, Fault				
Communicate Interface	RS232, SNMP card (optional)				
Temperature	-40℃~60℃				
Humidity	0~95% (Non-condensing)				
Storage Temperature	-25℃~60℃				
Elevation	<1500m				
IP Class	IP55 with FANs, and IP56 with AC				
Net Weight (without battery)	85KG	125KG	125KG	150KG	150KG
Dimensions: (WxDxH)mm	613*640*954	650*753*1227	650*753*1227	940*940*1770	940*940*1770