

High Frequency Online UPS 1 Phase In/1 Phase Out

Model: NT-ST1KVA
(1KVA/1KW)



Introduction

The UPS uses online double-conversion technology to fully eliminate all types of power grid disturbances, delivering stable and pure sine-wave power protection for customers. Its advanced design ensures exceptional reliability and high efficiency. With a high input power factor and low input current harmonics, the UPS is environmentally friendly, while its high efficiency also contributes to significant energy savings.

Applications

Suitable for small and medium-sized data centers, IT equipment rooms, financial institutions, traffic control centers, security monitoring systems, and similar applications.

Features

1. Wide input voltage range
2. Online double-conversion technology
3. DSP-based digital control technology
4. Output power factor of 1.0
5. Communication options: RS232, USB, dry contact card, and optional SNMP module

Benefits

1. Wide input voltage range suitable for harsh power grid conditions
2. User-friendly interface for easy operation
3. Intelligent battery management to extend battery life

Specification

Model	NT-STIKVA
Capacity	1KVA
Input	
Phase	L+N+PE
Rated Voltage	208/220/230/240Vac
Operating voltage range	110-300Vac
Operating frequency range	50/60Hz + 6Hz
Power factor	≥0.99
Harmonic distortion (THDI)	≤ 4% (100% linear load); ≤ 5% (100% non-linear load)
Output	
Phase	L+N+PE
Output voltage	208/220/230/240Vac
Power factor	1
Voltage regulation	±1%
Output frequency	Utility Mode: follow utility; Battery Mode: (50/60±0.1%)Hz
Crest factor	3:1
THD	≤ 3% with linear load; ≤ 5% with non linear load
Efficiency(AC)	≥95%
Efficiency(Batt)	≥88%
Overload	AC mode: Load 110%, last 30min; 130%, last 10min; 150%, last 30s; >150%, 200ms to bypass. Battery mode: Load 110%, last 1min; 130%, last 10s; 150%, last 3s; >150%, 200ms to bypass
Battery	
Battery voltage	24Vdc
Standard unit QTY	12V/7AH*2PCS
Charge Current	1A
Transfer Time	Utility to Battery: 0ms; Utility to bypass: 0ms
Environment	
Operating temperature	0°C - 40°C
Storage temperature	-15°C - 60°C (no battery)
Humidity range	20 - 95% (non condensing)
Altitude	< 1000m
Noise level	< 45dB
Protection	
Alarm	Overload, utility abnormal, UPS fault, battery low, etc
Protection	Short circuit, overload, over temperature, battery low, fan fault alarm
Communication	RS232, USB(optional), Dry contact card(optional), SNMP card(optional)
DimensionsD*W*H(mm)	283*145*220
Net Weight (kg)	8.1
Standards	EN62040-1, EN62040-2,EN62040-3
Backup time	Full load 1000W about 2 to 4 minutes