

## High Frequency Online UPS 1 Phase In/1 Phase Out

Model: NT-ST10KVA  
(10KVA/10KW)



### 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

<b>Model</b>	<b>NT-ST10KVA</b>
<b>Capacity</b>	10KVA
<b>Input</b>	
<b>Phase</b>	L+N+PE
<b>Rated Voltage</b>	208/220/230/240Vac
<b>Operating voltage range</b>	110-300Vac
<b>Operating frequency range</b>	50/60Hz + 6Hz
<b>Power factor</b>	≥0.99
<b>Harmonic distortion (THDI)</b>	≤ 4% (100% linear load); ≤ 5% (100% non-linear load)
<b>Output</b>	
<b>Phase</b>	L+N+PE
<b>Output voltage</b>	208/220/230/240Vac
<b>Power factor</b>	1
<b>Voltage regulation</b>	±1%
<b>Output frequency</b>	Utility Mode: follow utility; Battery Mode: (50/60±0.1%)Hz
<b>Crest factor</b>	3:1
<b>THD</b>	≤2% with linear load; ≤5% with non linear load
<b>Efficiency(AC)</b>	≥95%
<b>Efficiency(Batt)</b>	≥88%
<b>Overload</b>	AC mode: Load ≤ 110%, last 30min; ≤130%, last 10min; 150%, last 30s; >150%, 200ms to bypass. Battery mode: Load ≤ 110%, last 10min; ≤ 130%, last 1min; <150%, last 10s; >150%, 200ms to bypass.
<b>Battery</b>	
<b>Battery voltage</b>	192Vdc
<b>Standard unit QTY</b>	12V/7AH*16PCS
<b>Charge Current</b>	1-12A adjustable
<b>Transfer Time</b>	Utility to Battery: 0ms; Utility to bypass: 0ms
<b>Environment</b>	
<b>Operating temperature</b>	0°C - 40°C
<b>Storage temperature</b>	-15°C - 60°C (no battery)
<b>Humidity range</b>	20 - 95% (non condensing)
<b>Altitude</b>	< 1000m
<b>Noise level</b>	< 45dB
<b>Protection</b>	
<b>Alarm</b>	Overload, utility abnormal, UPS fault, battery low, etc
<b>Protection</b>	Short circuit, overload, over temperature, battery low, fan fault alarm
<b>Communication</b>	RS232, USB(optional), Dry contact card(optional), SNMP card(optional)
<b>DimensionsD*W*H(mm)</b>	456*190*692
<b>Net Weight (kg)</b>	52.5
<b>Standards</b>	EN62040-1, EN62040-2,EN62040-3
<b>Backup time</b>	<b>Full load 10000W about 2 to 5 minutes</b>