

# Titan 1K (110V)

UPS Solution for CSSS

NEW



## Features

- Microprocessor control guarantees high reliability
- Tower and rack mount available
- Modular design guarantees high reliability
- Cold start function
- External battery connections for extended backup time

## Introduction

The Titan UPS series make use of unique AC-DC double conversion circuitry to detect the electrical current and voltage output of the utility power supply. The current inputs a high frequency PWM that maintains uniform waveforms and phase in line with voltages. The result attains high input power factors over 95% and avoids generating harmonic distortion and interference on the power network.

## Specifications

### Efficiency

- AC mode 85%
- Battery Mode 83%

### Battery Mode

- Battery Type 12 V/7.2 Ah
- Number of Batteries 3
- Backup Time (Full load) >5mins
- Recharge time 8 hours to 90%
- Charge current 1.0A

### Dimension & Weight

- D x W x H (mm) 400 x 145 x 220
- Wight 13 kg

### Environment

- Operation Temp 0 ~ 40° C series
- Relative Humidity 20% ~ 90%
- Noise Level <45dB

### Interface

- RS232 and USB(optional)

### Capacity

- Capacity 1000 VA/700 W

### Input range

- Voltage 60 ~ 138 V<sub>AC</sub>
- Base on load percentage (100% ~ 70%/70% ~ 60%/60% ~ 50%/50% ~ 40%/40% ~ 0%)
- Line Low Transfer 80 V<sub>AC</sub>/70 V<sub>AC</sub>/70 V<sub>AC</sub>/60 V<sub>AC</sub>/60 V<sub>AC</sub>
- Line Low Comeback 85 V<sub>AC</sub>/85 V<sub>AC</sub>/75 V<sub>AC</sub>/75 V<sub>AC</sub>/65 V<sub>AC</sub>
- Line High Transfer 138 V<sub>AC</sub>
- Line Low Comeback 133 V<sub>AC</sub>
- Frequency Range 46 Hz ~ 54 Hz/56 Hz ~ 64 Hz

### Output range

- Voltage 110 V<sub>AC</sub>/115 V<sub>AC</sub>/120 V<sub>AC</sub>
- Regulation ± 2%
- Frequency (Sync range) 46 Hz ~ 54 Hz/56 Hz ~ 64 Hz
- Frequency (Battery Mode) 50/60 Hz ± 0.2 Hz
- Current Crest Ratio 3:1
- Harmonic Distortion <5% THD (Linear Mode); <10%THD (Non-linear Mode)

## Ordering Information

Model Name	Description
9680004809	Centralion Titan 1K 110V UPS