



The High Frequency UPS 33 Uninterruptible Power Supply features a dual-conversion online topology design Product Intro

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: SZDXZH
- Model Number: EX3C3 100K
- Minimum Order Quantity: 1 pcs
- Packaging Details: Woodcase/ Paper box
- Delivery Time: 15-25 days
- Payment Terms: T/T
- Supply Ability: 10000pcs/month



Product Specification

- Net Weight (Standard Machine): 200kg
- Battery Voltage: $\pm 192V$
- Size: 1000*430*1200

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High reliability design

- ◆ Double conversion online topology design enables UPS output frequency tracking, phase locking, voltage stabilization and noise filtering, and is not affected by power grid fluctuations. Pure sine wave power supply, UPS output provides more comprehensive and perfect protection for user equipment.
- ◆ Advanced modular dual CPU control has reliable overall operation and high stability, ensuring the overall efficiency of UPS safe operation. ◆ CPU controls the charging of current, and the charger periodically charges the current according to the capacity of the battery. ◆ The input harmonic filter meets American and European standards, allowing UPS to reduce the pollution of mains feedback and not affect other devices sharing the same mains input. ◆ Adopting advanced power factor correction PFC technology, the input power factor is almost 1 regardless of how the load and mains voltage change. ◆ Wide AC input voltage range: 380VAC±25%, avoid frequent switching to battery power, and adapt to areas with harsh power environment. ◆ Using high-frequency filtering synchronization circuit, fast tracking of synchronization frequency and power gradual growth function, reduce the requirements for generators, and the capacity is only twice the UPS input power.
- ◆ Harmonic filters are set at the input and output to minimize the harmonic interference of UPS to the power grid. ◆ DC start function can directly start the UPS when there is no mains power to meet the user's emergency needs.

Perfect whole machine protection capability ◆ It has multi-function protection such as

output overload protection, output short circuit protection, inverter over-temperature protection, battery undervoltage warning protection and battery overcharge protection, which greatly ensures the stability and reliability of system operation. ◆ Equipped with manual maintenance switch, when UPS fails, it can switch to bypass working state without interruption and continue to supply power to the load from the mains, making maintenance work easy, convenient and fast.

Interface management function

- ◆ LCD display can record UPS working status, parameter information, etc. in real time, making it convenient for users to manage UPS .

Network monitoring management

- ◆ Through RS232/RS485 communication interface, SNMP network adapter, and UPS intelligent monitoring software, it can communicate with the computer. Various UPS parameters are clearly displayed on the communication interface.

Optional intelligent battery monitoring module

- ◆ Can detect single cells, with overvoltage, undervoltage and differential pressure alarm functions, if there is a battery failure, it will be displayed on the screen and the administrator will be notified.

High environmental adaptability

- ◆ The circuit board is placed in a completely enclosed space and treated with "three-proof" coating, which is more suitable for the harsh environment of tunnels and squares.

Technical Parameters

model	EX3C3 10 0K
capacity	100KVA/80KW
enter	
Rated voltage	3×380VAC/400VAC (3 phases + N line)
Voltage range	285VAC 475VAC
Frequency range	50/60Hz±10%
Output	

Output voltage	3×380VAC/400VAC (3 phases + N line)	
Voltage stability	Steady state: ±1% typical	
	Transient: ±5% typical (load change 100-0-100%)	
Frequency synchronization range	50/60Hz synchronization ±1%	
	Mains power loss ±0.1Hz	
Frequency tracking rate	±1Hz/S	
Output waveform	Sine Wave	
Total harmonics (THDv)	2%(Linear load)	
	5%(non-linear load)	
Phase imbalance	120±1% (balanced load)	
	120±2% (50% unbalanced load)	
Dynamically adjust time	<60ms to recover to 90% of rated value	
Overload capacity	110% 150% can run for 10min 1min; 150% 160% can run for 1min 200ms; 160% can run for 200ms	
Peak Factor	3:1	
Load power factor range		
Unbalanced output voltage @100% Unbalanced load	<1%	
Protection or restriction	Extreme overload; short circuit; voltage limit; surge current; peak voltage limit	
Overall efficiency	Online Mode	94%
	Battery Mode	93.5%
bypass		
type	Static switch	
Voltage	3×380VAC/400VAC (3 phases + N line)	
frequency	50/60Hz	
Control method	microprocessor	
Inverter to bypass switching time	Synchronous mode: 0ms, asynchronous mode: 10ms	
Overload capacity	150% 180% 1h 30s; 180% >200% 30s 200ms; 200ms for>200%	
Switch to Bypass	Overload 160%: switch immediately	
Switch back to inverter	Automatically switch after alarm clears	
Maintenance bypass		
type	Non-stop	
Voltage	3×400V (3 phases + N line)	
frequency	50/60Hz	
Battery & Charging		
Number of batteries (12V)	32-40 (adjustable)	
Charging method	Optional: Constant voltage charging/constant current charging	
Charging Current	Default 10A, maximum 40A	
Battery Type	Sealed lead acid battery	
Structural parameters		
Dimensions, length x width x height (mm)	974 × 600 × 1600	
Weight (Kgs)	117	

— UPS POWER SOLUTION SERVICE PROVIDER —

01

Stable and reliable

ONLINE DOUBLE CONVERSION TECHNOLOGY COMPLETELY ELIMINATES THE IMPACT OF POWER FAILURES AND EFFECTIVELY PROTECTS THE LOAD FROM UNINTERRUPTED OPERATION



03

Green and Energy Saving

REDUCE ENERGY LOSS, EFFICIENCY UP TO 90%, ULTRA- SMALL SIZE, SIGNIFICANTLY SAVES SPACE



02

Ultra-wide voltage

ULTRA-WIDE VOLTAGE INPUT RANGE, EFFECTIVELY REDUCING THE NUMBER OF BATTERY CHANGES AND EXTENDING



04

Convenient and easy to use

EASY TO OPERATE, LCD DISPLAY, FRIENDLY HUMAN-MACHINE INTERFACE, STANDARD MACHINE





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