



Rack Mounted High Frequency Online Ups Uninterruptible Power Supply Features

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: SZDXZH
- Model Number: EX3C3 20K
- 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): 40kg
- Battery Voltage: 192V
- Size: 592*250*576
- Highlight: rack mounted high frequency online ups,
rack mounted ups uninterruptible power supply

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Product Description

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Product Introduction / Introduction

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	EX 3C3 20K	
capacity*	20KVA / 16KW	
enter		
Voltage range	Minimum conversion voltage	110 VAC (Ph-N) ± 3 % at 50% load; 176 VAC (Ph-N) ± 3 % at 100% load
	Minimum reset voltage	Minimum conversion voltage +10V
	Maximum conversion voltage	300 VAC(LN) ± 3% at 50% load; 276 VAC(LN) ± 3% at 100% load
	Maximum reset voltage	Maximum conversion voltage - 10V
Frequency range	46Hz ~ 54 Hz @ 50Hz system 56Hz ~ 64Hz @ 60Hz system	
Phase	Three-phase grounding	
Power Factor	100% load ≥ 0.99	
Output		
Phase	Three-phase grounding	
Output voltage	3 x 360*/380/400/415/VAC (3Ph+N)	
AC voltage range	± 1%	
Frequency range (synchronization range)	46Hz ~ 54 Hz @ 50Hz system 56Hz ~ 64Hz @ 60Hz system	
Frequency range (battery mode)	50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz	
Overload	AC Mode	100%~110%: 10 minutes 110%~130%: 1 minute >130% : 1 second
	Battery Mode	100%~110%: 30 seconds 110%~130%: 10 seconds >130% : 1 second
Current peak ratio	3:1 Maximum	
Harmonic distortion	≤ 2 % @ 100% linear load	
	≤ 5 % @ 100% non-linear load	
	Online ↔ Battery	0 ms

Switching time	Frequency conversion ←→ bypass	0 ms (When phase lock fails, the inverter switches to bypass with an interruption of less than 4 milliseconds)
	Frequency conversion ←→ ECO	<10 ms
efficiency		
AC Mode		> 91.5%
Battery Mode		> 88%
Battery		
Standard	model	12 V / 9 Ah
	number	2 x 16
	Charging time	9 hours to reach 90% capacity
	Charging current (maximum)	2.0A ±10%
	Charging voltage	218 VDC ± 1%
Long extension machine	model	Varies depending on usage
	number	16, 18 - 20
	Charging current (maximum)	4.0A ±10%
	Charging voltage	13.65 VDC * Number of cells ± 1%
Physical properties		
Dimensions, depth x width x height (mm)	576X250X576	
Net weight(kgs)	40	
Environmental conditions		
Operating temperature	0 ~ 40°C (When the temperature is above 25°C, the battery life will be shortened)	
Operating humidity	<95 % without condensation	
Operating altitude*	<1000m	
noise	Less than 65dB @ 1 Meter	
manage		
Intelligent RS-232 or USB	Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7, Linux and MAC	
Optional SNMP	Supports power management via SNMP manager and web browser	

—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

02 Ultra-wide voltage
ULTRA-WIDE VOLTAGE INPUT RANGE, EFFECTIVELY REDUCING THE NUMBER OF BATTERY CHARGES AND EXTENDING

03 Green and Energy Saving
REDUCE ENERGY LOSS, EFFICIENCY UP TO 90%, ULTRA-SMALL SIZE, SIGNIFICANTLY SAVES SPACE

04 Convenient and easy to use
EASY TO OPERATE, LCD DISPLAY, FRIENDLY HUMAN-MACHINE INTERFACE, STANDARD MACHINE



Shenzhen Daxin Intelligent Equipment Technology Co., Ltd



+86 15817363697



lubenzhi@szdxzh.com



power-cabinets.com

Green Base Industrial Park, Longtian Street, Pingshan District, Shenzhen