



## High Frequency Backup Ups Delivers Seamless Power Protection With True Online Double Conversion Technology

Our Product Introduction

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### Basic Information

- Place of Origin: CHINA
- Brand Name: SZDXZH
- Model Number: 3H20KL
- 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

- Product Name: High Frequency Backup Ups
- Model: 3H20KL
- Hybrid Solutions: Yes
- Fuction: Emergency Power Off
- Function: Online Double Conversion
- Highlight: **double conversion high frequency ups ,  
double conversion ups uninterruptible power  
supply**



### More Images





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### Product Introduction / Introduction

Technical implementation

High reliability design

- ◆ Realize online double conversion
- ◆ Compatible with generator input (generator capacity must be twice the UPS capacity)
- ◆ Output isolation transformer can be added according to user requirements (installed before leaving the factory)
- ◆ Standard EPO (emergency power off device)
- ◆ The machine is controlled by MCU+DSP chip
- ◆ Support parallel function, up to 3 parallel machines (parallel models only)
- ◆ The number of battery sections (16-20) can be set according to on-site needs
- ◆ Charging current (1-4A, default 4A/each charging board) can be set on-site according to needs
- ◆ This series has two models with power factor PF0.8 and PF0.9.
- ◆ Support automatic power-on function after power outage (default closed)
- ◆ After power outage, the battery power is exhausted, and it can automatically start after the call is received.

Perfect whole machine protection capability

- ◆ It has output overload protection, output short circuit protection, inverter overtemperature protection, battery undervoltage warning protection and battery overcharge protection and other multi-function protections in one, which greatly ensures the stability and reliability of system operation.

- ◆ Optional 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 liquid crystal display can record UPS working status, parameter information, etc. in real time, which is 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, and various UPS parameters are clearly displayed

on the communication interface.  
 High environmental adaptability  
 ♦ The circuit board is placed in a completely enclosed space and is coated with "three-proof" coating, which is more suitable for the harsh environment of tunnels and squares.

#### Technical Parameters

model	3H 20 KL	
capacity	20000VA / 16000W	
enter		
Voltage range	190-520VAC (3 phase) 50% load	
	305-478VAC (3 phase) 100% load	
Frequency range	46Hz ~ 54 Hz @ 50Hz system	
	56Hz ~ 64 Hz @ 60Hz system	
Phase	Three-phase grounding	
Power Factor	$\geq 0.99$ at 100% load	
Output		
Phase	Single phase (live wire + neutral wire + ground wire)	
Output voltage	208/220/230/240VAC	
AC Voltage Range	$\pm 1\%$	
Frequency range (synchronization range)	46Hz ~ 54 Hz @ 50Hz system	
	56Hz ~ 64 Hz @ 60Hz system	
Frequency range (battery mode)	50 Hz $\pm$ 0.1 Hz or 60 Hz $\pm$ 0.1 Hz	
Overload	Mains mode	100%~110%: 10 minutes;
		110%~130%: 1 minute;
	Battery Mode	>130%: 1 second
		Overload, switch to bypass mode
	Mains mode	100%~110%: 30 seconds;
		110%~130%: 10 seconds;
	Battery Mode	>130%: 1 second
		Overload, switch to bypass mode
Current peak ratio	3:1 max	
Harmonic distortion	$\leq 2\%$ @ 100% linear load; $\leq 5\%$ @ 100% non-linear load	
	Online	0 ms
	← → Battery	

Switching time	Inverter ← →	0 ms
	Bypass	
	Inverter ← → ECO	<10 ms
Output power factor		0.8
Parallel capacity		Supports up to 3 units in parallel (not supported by the commonly sold models)
Waveform		Pure sine wave
Inverter mode		IGBT
Control method		MCU+DSP
efficiency		
AC Mode		> 89%
Battery Mode		> 87 %
Long-lasting machine (number of battery cells is factory adjustable)	model	Depends on battery configuration
	number	16 - 20
	Charging current (maximum)	8.0A ± 10%
	Charging voltage	273 VDC ± 1% (based on 20 batteries)
Display instructions		
LCD	Visually display load size, battery capacity, AC mode, battery mode, bypass mode, fault indication, etc. through images	
	The output voltage, frequency, bypass enable, ECO function, charging current, discharge time, etc. can be adjusted through the screen display menu	
Appearance		
Long extension machine	Dimensions, depth x width x height (mm)	592X250X576
	Net weight(kgs)	40
Environmental conditions		
Operating temperature		0 ~ 40°C (Battery life will be shortened in environments > 25°C)
Operating humidity		<95 % without condensation
Operating altitude		<1000m
noise		Less than 60dB @ 1 Meter
manage		

Intelligent RS-232 or USB	Supports Windows® 2000/2003/XP/Vista/2008/7/8, Linux, Unix, and MAC
Optional SNMP	Supports power management via SNMP manager and web browser

——UPS power solution service provider——

