



Industrial-Grade 20KVA Online UPS System – High Reliability & Advanced Power Protection

Our Product Introduction

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Basic Information

- Place of Origin: CHINA
- Brand Name: Daxin
- Certification: CE
- Model Number: EX 3C3 20K
- Minimum Order Quantity: 1 pc
- Packaging Details: Woodcase/ Paper box
- Delivery Time: 25-35 days
- Payment Terms: T/T
- Supply Ability: 6000pcs/month



Product Specification

- Transfer Time: 0ms
- Load Capacity: 20KVA
- Wide Mains Input Range: 110 V – 300 V
- LCD Display: Yes
- Product Category: High Frequency Online UPS
- Size (D*W*H): 592X250X576mm
- Weight: 40kg
- Highlight: 1k va high frequency ups ,
1k va ups uninterruptible power supply ,
double conversion high frequency ups



More Images



Product Description

Industrial-Grade 20KVA Online UPS System – High Reliability & Advanced Power Protection

Our high-frequency UPS delivers military-grade power protection with enterprise-class efficiency.

The advanced double-conversion technology ensures complete isolation from grid anomalies, while intelligent battery management provides reliable backup power when needed most.

With industry-leading voltage tolerance and thermal control, it's engineered for 24/7 operation in demanding environments.

Core Advantages:

1. Premium Double-Conversion Technology

Pure Online Operation

Zero-transfer time between AC and battery modes for uninterrupted critical loads

Output voltage regulation within $\pm 1\%$ for sensitive equipment protection

Active Power Factor Correction (PFC)

Maintains >0.99 input PF at full load, reducing infrastructure costs

Wide Input Voltage Window

Operates from 110VAC to 300VAC (L-N) without battery drain

Low Harmonic Distortion

$<2\%$ THD with linear loads, compliant with IEEE 519 standards

2. Enhanced Battery Management

Dual Battery Bank Support

Standard configuration: 32x 12V/9Ah cells (2x 16-battery strings)

Fast recharge to 90% capacity in 9 hours

Intelligent Charging System

Adaptive voltage/current control (218VDC $\pm 1\%$) for optimized battery lifespan

3. Robust Protection Features

Multi-Stage Safety Mechanisms:

Short-circuit/overload protection (up to 130% load)

Real-time battery monitoring with fail-safe alerts

Maintenance Bypass

Manual transfer switch for safe servicing without load interruption

4. Enterprise-Class Monitoring

Dual Communication Channels

RS-232/USB for local monitoring

Optional SNMP card for network-wide power management

Cross-Platform Compatibility

Supports Windows®, Linux, and macOS environments

Technical Parameters:

Category	Specification
Model	EX 3C3 20K
Capacity	20KVA / 16KW
Input Characteristics	

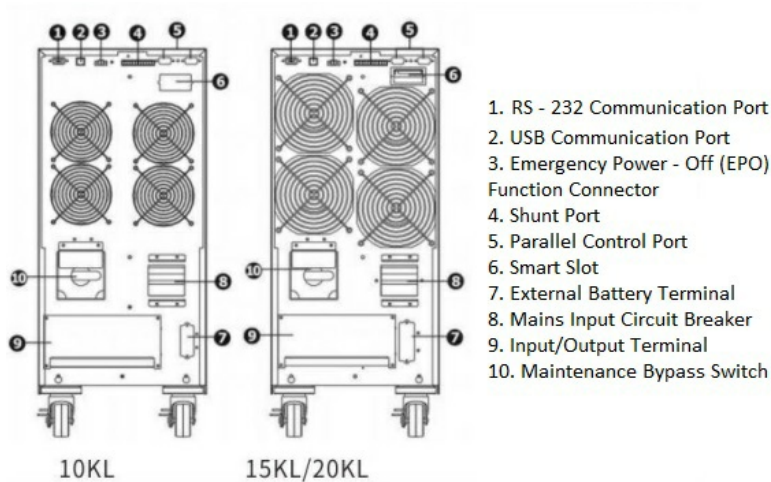
Category	Specification
- Voltage Range	110-300VAC (L-N) $\pm 3\%$
- Frequency Tolerance	$\pm 4\text{Hz}$ (sync to grid)
- Phase Configuration	3-Phase + Neutral + Ground
Output Performance	
- Voltage Stability	360/380/400/415VAC $\pm 1\%$
- Frequency Accuracy	$\pm 0.1\text{Hz}$ in battery mode
- Overload Capacity	110% for 10min (AC), 30s (battery)
Efficiency	91.5% (AC mode), 88% (battery mode)
Battery System	
- Standard Pack	32x 12V/9Ah (2 parallel strings)
- Charging Current	2A $\pm 10\%$ per string
Physical Dimensions	592x250x576mm (40kg)
Environmental	0-40°C, <95% RH (non-condensing)

Best For:

Data Centers: Protects servers and network gear from power anomalies
 Industrial Automation: Ensures continuous operation of PLCs and control systems
 Medical Facilities: Safeguards life-critical medical equipment
 Telecom Infrastructure: Base station backup with wide voltage tolerance

Engineered for organizations that demand zero power compromises.
 (Configurations available for high-altitude installations up to 1,000m.)

Back View:



Support and Services:

Our High Frequency UPS product is designed to provide reliable and efficient power protection to your critical electronic equipment.
 Our technical support team is available to assist with any questions or issues you may encounter with your UPS system.

Our services include:

- 24/7 remote monitoring and diagnostics
- Preventative maintenance to ensure optimal performance
- Replacement parts and repairs
- Training for end users and technicians

Operational Benefits:

1. Energy Optimization

High efficiency (>91.5%) reduces total cost of ownership
 Input harmonics <5% prevent transformer overheating

2. Mission-Critical Reliability

0ms transfer to battery during outages

Withstands 130% overload for 1 minute

3. Scalable Power Protection

Supports external battery cabinets for extended runtime

4. Industrial Durability

Operates at full capacity up to 40°C

65dB noise level (quieter than competing models)





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