



## 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

Key Specifications

| Attribute              | Value                     |
|------------------------|---------------------------|
| 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)           | 592×250×576mm             |
| Weight                 | 40kg                      |

Product Overview

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

Premium Double-Conversion Technology

- Pure Online Operation with zero-transfer time between AC and battery modes
- Output voltage regulation within ±1% for sensitive equipment protection
- Active Power Factor Correction (PFC) maintains >0.99 input PF at full load
- Wide Input Voltage Window: 110VAC to 300VAC (L-N) without battery drain
- Low Harmonic Distortion: <2% THD with linear loads, compliant with IEEE 519 standards

Enhanced Battery Management

- Dual Battery Bank Support (32x 12V/9Ah cells standard configuration)
- Fast recharge to 90% capacity in 9 hours
- Intelligent charging system with adaptive voltage/current control (218VDC ±1%)

Robust Protection Features

- Multi-stage safety mechanisms including short-circuit/overload protection (up to 130% load)
- Real-time battery monitoring with fail-safe alerts
- Maintenance bypass with manual transfer switch for safe servicing

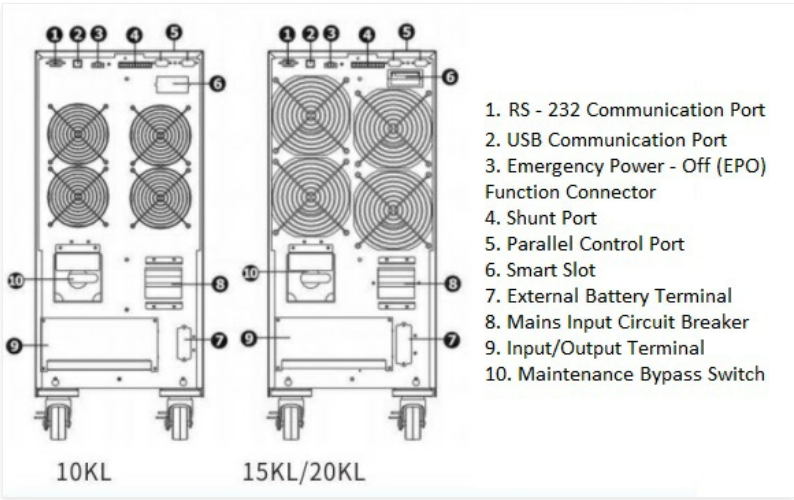
Enterprise-Class Monitoring

- 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                        |
| <b>Input Characteristics</b> |                                     |
| Voltage Range                | 110-300VAC (L-N) $\pm 3\%$          |
| Frequency Tolerance          | $\pm 4\text{Hz}$ (sync to grid)     |
| Phase Configuration          | 3-Phase + Neutral + Ground          |
| <b>Output Performance</b>    |                                     |
| 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) |
| <b>Battery System</b>        |                                     |
| 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 Applications:** Data centers, industrial automation, medical facilities, and telecom infrastructure. Configurations available for high-altitude installations up to 1,000m.



## Support and Services

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

- **Energy Optimization:** High efficiency (>91.5%) reduces total cost of ownership
- **Mission-Critical Reliability:** 0ms transfer to battery during outages
- **Scalable Power Protection:** Supports external battery cabinets for extended runtime
- **Industrial Durability:** Operates at full capacity up to 40°C with 65dB noise level





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