

Digital Paralleling Uninterruptible Power Supply

This uninterruptible power supply (UPS) features advanced digital paralleling control technology. It ensures that UPS units connected in parallel operate with the same frequency, phase, and voltage, significantly reducing circulating current between the parallel UPS units and improving the reliability of the parallel system.



Product Overview

Industrial-Grade UPS Solution

The TL8100 series is a high-performance single-phase online UPS designed for critical power protection. Featuring double-conversion topology and advanced digital parallel control, it ensures zero transfer time and pure sine wave output for sensitive industrial and network equipment. Its robust design is specifically engineered for challenging power grid environments, providing exceptional reliability and system stability.

Technical Specifications

Available Capacity Options

- 1KVA
- 2KVA
- 3KVA
- 4KVA
- 6KVA
- 8KVA
- 10KVA
- 15KVA
- 20KVA
- 25KVA
- 30KVA

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| Architecture | Online Double-Conversion |
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| Nominal Voltage | 220V Single-phase |
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Performance Features

Safety Protections

- Input Surge Protection
- Output Overload/Short Circuit Protection
- Battery Low Voltage Warning
- Battery Overcharge Protection
- Inverter Over-temperature Protection

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| Core Features | Cold Start Capability, Zero Transfer Time, Pure Sine Wave, Intelligent Battery Management, Digital Parallel Control |
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Connectivity and Management

Communication Interfaces

RS232 • RS485 • DB9 Dry Contact • SNMP (Optional)

Applications

Target Industries

- Data Centers & Server Rooms
- Telecommunications
- Banking & Finance
- Industrial Process Control
- Healthcare Facilities
- Transportation Systems