

Integrated Power System for Data Centers

This highly integrated power system is designed for small and medium-sized data centers. It integrates UPS, cooling, fire protection, and intelligent monitoring into a cabinet for standardized computer room environments.



Overview

Integrated Micro-Module Data Center

This highly integrated micro-module solution transforms a standard cabinet into a complete, self-contained computer room environment. It consolidates essential subsystems including UPS power, precision refrigeration, lightning protection, fire suppression, and intelligent monitoring into a single, space-efficient footprint. Designed for rapid deployment, this system supports standardized infrastructure development for small and medium-sized data centers, offering scalable power capacities from 3kVA up to 250kVA.

Key Features

Integrated UPS, Precision Cooling, Intelligent Monitoring, Fire Protection, Lightning Protection, Rapid Deployment

System Configuration

Standard Configuration

| Component | Specification |
|----------------------|---------------|
| IT Cabinet Quantity | 1 unit |
| Single Cabinet Power | 2-3 KW |
| UPS Capacity | 3 KVA |
| Air Conditioner | 4 KW |
| Reserved Space | 20-25 U |
| Monitoring System | 1 set |

Optional Features

ATS Module

Performance Metrics

System Performance

250 kVA

Max Capacity

30 units

Max Cabinets

3 kVA

Min Capacity

Applications

Suitable Applications

- Branch network distribution rooms
- Financial institutions (Bank, Securities, Insurance)
- Telecommunications
- Small and medium-sized enterprises
- Energy and chemical control centers
- Transportation (Rail and Highway)
- Substations and power plants

Models

Model Comparison

| Model Type | Max Capacity | Cabinet Range |
|------------|--------------|---------------|
| Single Row | d20kVA | 1-6 |
| Double Row | d25kVA | 6-30 |