

# 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