

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