MICRO DATA CENTRE

# QUESTIONS CUSTOMERS ASK ABOUT NEXISRACK

The answers our customers most often need before choosing a NexisRack micro data centre. For model-by-model specifications, see the NexisRack fact sheet.

## THE PRODUCT

### What is NexisRack?

A complete small server room in factory-built cabinets: UPS, batteries, power distribution, precision cooling, monitoring and optional fire suppression, integrated and tested before shipping.

### How do I choose a model?

By IT load and rack space. RDC-01 is a single cabinet with 3 kVA and 28U. RDC-02, -03 and -05 add cabinets, UPS and in-row cooling. RDC-07 is configured to order. We size it with you at site survey.

### Does it need a dedicated server room?

No. Sealed IP5X cabinets with closed hot and cold aisles, and 49 dB or less at full load. It runs in offices, branches, factory floors and telecom sites.

### Can it grow later?

Yes. Start small and add cabinets, UPS modules or battery packs as load grows. Plan floor space and power for the final size at design stage.

## POWER & COOLING

### What power supply does the site need?

220 V single-phase for RDC-01 to RDC-03, 380 V three-phase for RDC-05 and above. Breaker sizes are in the fact sheet.

### How long is the battery backup?

15 minutes as standard. Larger batteries or up to four extra packs extend it; RDC-05 can be built for 40 minutes or more.

### What if the air conditioner fails?

Emergency fans of up to 5 kW start automatically and alarms go out at once. Cooling can be run with N+X redundancy on larger systems.

### What efficiency can we expect?

PUE of 1.4 or less, helped by inverter compressors, EC fans and sealed aisles.

## SITE & INSTALLATION

### What environment can it run in?

0–45 °C ambient, 0–95% RH, up to 1,000 m altitude. The cooling unit needs an outdoor condenser position nearby.

### How long from order to go-live?

Typically 6–10 weeks, depending on configuration and battery runtime. Installation and commissioning on site take a few days.

### What does Semita do on site?

Site survey, design, delivery, installation, commissioning and handover training, from one partner.

## OPERATIONS & SUPPORT

### Can we monitor it remotely?

Yes. A 10″ screen at the cabinet, plus web, app and SMS alarms for power, UPS, cooling, temperature, humidity, smoke, water leakage and doors. Many sites can report to one central platform.

### Is fire protection included?

Optional: a 1U heptafluoropropane system that detects and extinguishes fire inside the cabinet automatically.

### Is it secure?

Keypad access and door sensors on every cabinet, logged and monitored remotely.

### What warranty and service do you offer?

12 months on the integrated system from commissioning, with annual maintenance contracts covering preventive visits, battery health checks and priority call-out.

### Which certifications apply?

Compliance documents for the cabinet, UPS and cooling components are provided with each quotation.

## PLAN YOUR NEXISRACK

Specifications in the model fact sheet. Terms confirmed in each quotation.

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