

Warranty for Micro-module Data Center IP68

Article Overview

Micro-module data centers can be designed with IP-rated enclosures, including IP68, offering robust protection against dust and water ingress, and typically come with manufacturer warranties covering hardware and service.

IP68 Protection

Micro-module or micro data centers, such as those offered by Schneider Electric, are available in sealed NEMA and IP-rated models, which protect IT and OT equipment in harsh indoor or outdoor environments . An IP68 rating ensures the enclosure is dust-tight and can withstand continuous immersion in water, making it suitable for extreme conditions like industrial floors, outdoor edge deployments, or areas prone to moisture.

Modular and Integrated Design

These micro data centers integrate multiple systems into a single enclosure:

- o Power distribution and UPS systems for reliable energy supply
 - o Cooling systems, including advanced micro-cooling or targeted airflow solutions for high-density components
 - o Security and access control for IT/OT convergence
 - o Monitoring and management software, such as EcoStruxure IT Expert, for predictive maintenance and remote management
- The modular design allows rapid deployment, flexible expansion, and efficient operation, often using prefabricated factory modules that can be installed on-site quickly .

Warranty Considerations

While specific warranty terms for IP68 micro-module data centers are not detailed in the sources, industry-standard practices typically include:

- o Hardware warranty covering racks, enclosures, and integrated systems
 - o Service and support warranty for maintenance, monitoring software, and replacement of defective components
 - o Optional extended warranties or service contracts for critical environments
- Manufacturers like Schneider Electric, Delta, and Inspur usually provide comprehensive warranties that ensure operational reliability and protection against manufacturing defects, often ranging from 1 to 5 years, with options for extended coverage.

Applications



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IP68-rated micro-module data centers are ideal for:

- o Edge computing and IIoT deployments in industrial or outdoor environments
- o Harsh indoor environments where dust, moisture, or temperature fluctuations are common
- o Rapidly deployable IT infrastructure for small to medium IT loads, typically under 20kVA These solutions combine robust environmental protection, integrated power and cooling, and warranty-backed reliability, making them suitable for critical IT operations in challenging conditions.

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1. Scope of application This document is applicable to the warranty instructions for Huawei data center Facility products sold in

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Waterproof connectors with high corrosion resistance, designed for harsh environments. IP68 sealing

This program extends the factory parts warranty and provides 7x24 Telephone Technical Support. With the Parts

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The modular data center, comprised of micro modules, has become more and more popular. The modules' flexibility and

EcoStruxure Micro Data Centers combine power, cooling, security, and management in one enclosure. What is a micro data center?

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Modular data center systems consist of purpose-engineered modules and components to offer scalable data center capacity with

Extended Data Center Equipment and Support Life Cycle: Post-warranty support allows for swift addressing of issues

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