

MODULAR DATA CENTER DATASHEET

SOETECK · MODULAR DATA CENTRE CONTAINERS

Soetek Edge Compact Module Liquid-Cooled Container (20 ft)

20 ft prefabricated edge data centre with cold-plate liquid cooling, 50 kW racks, 300 kVA UPS and Li-ion batteries

SKU ST-ECM

Soetek



RACK-MOUNTED CDU

50 kW × 4

EXTERNAL DIMENSIONS

6500 × 3200 ×...

PRODUCT

Edge Compact...

PRICE

On request**REQUEST A QUOTATION ONLINE**serverinvest.com/product/soetek-edge-compact-module-liquid-cooled-containers

01 Product overview

The Soetec Edge Compact Module is a prefabricated, liquid-cooled data centre in a 20-foot class enclosure. It brings cooling, power protection and IT space together in one unit that is smaller than a standard 40-foot container, making it suitable for sites where floor area and local infrastructure are limited: edge computing nodes for smart city and transport systems, industrial edge stations, outdoor and remote facilities, emergency communication posts and mining operations.

The cooling concept is cold-plate liquid cooling. Four rack-mounted CDUs, each rated at 50 kW, circulate coolant to cold plates on the CPUs and GPUs, while two 30 kW in-row air conditioners remove the remaining heat from memory, drives and power supplies. Around 90% of the heat is captured by liquid (air-to-liquid ratio 1:9), and it is rejected outside through a dry cooler or a closed-circuit cooling tower. Each cabinet supports up to 50 kW, enough for dense edge servers and small AI inference nodes.

Power and resilience

A modular UPS with a 300 kVA frame is integrated together with a 512 V 100 Ah lithium battery set that provides roughly 15 minutes of bridging time. The enclosure is designed for ambient temperatures from -30 °C to 55 °C and offers IP54 or better protection against dust and moisture. Integrated monitoring supports remote operation, reducing the need for on-site visits.

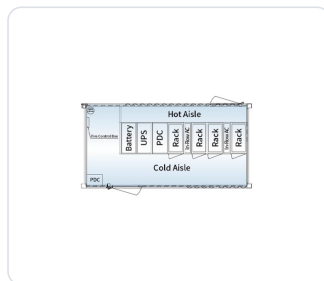
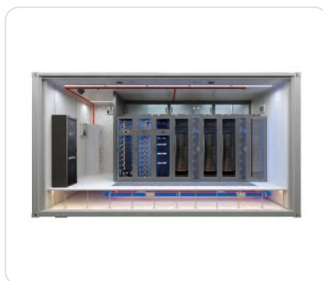
Because the module is assembled and tested in the factory, on-site work is mostly limited to positioning, utility...

KEY SPECIFICATIONS

Product	Edge Compact Module
External dimensions	6500 × 3200 × 3500 mm
Single cabinet power	50 kW
Rack-mounted CDU	50 kW × 4
Heat dissipation method	Dry cooler or closed-circuit cooling tower
Air-to-liquid ratio	1:9
Air conditioning	In-row, 2 × 30 kW
UPS	Modular UPS, 300 kVA host
Battery	1 set 512 V 100 Ah lithium, 15-minute backup
Ambient temperature range	-30 to 55 °C
Protection level	IP54+

HIGHLIGHTS

- Cold-plate liquid cooling with 4 × 50 kW rack-mounted CDUs
- 50 kW per cabinet, 1:9 air-to-liquid cooling ratio
- 2 × 30 kW in-row air conditioners for residual heat
- Modular 300 kVA UPS with 512 V 100 Ah lithium battery (15 min)
- External dimensions 6500 × 3200 × 3500 mm
- Rated for -30 to 55 °C ambient, IP54 or higher



02 Full specifications

MODULE SPECIFICATIONS

Product Edge Compact Module

Cooling architecture	Cold-plate liquid cooling + rack-mounted CDU + UPS + internal batteries
External dimensions	6500 × 3200 × 3500 mm
Single cabinet power	50 kW
Rack-mounted CDU	50 kW × 4
Heat dissipation method	Dry cooler or closed-circuit cooling tower
Air-to-liquid ratio	1:9
Air conditioning	In-row, 2 × 30 kW
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03 Engineered, delivered & supported by ServerInvest

Design & sizing

Rack count, IT load, power, cooling and redundancy engineered for your site.

Factory-integrated

Power, cooling, fire suppression and monitoring installed and tested before shipment.

Site & commissioning

Foundation, grid and fibre connection, integrated systems testing and handover.

Lifecycle support

Maintenance contracts, remote monitoring and 24/7 support options.



Interested in this solution?

Request a quotation online or talk to a solutions engineer — we reply within one business day.
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