

MODULAR DATA CENTER DATASHEET

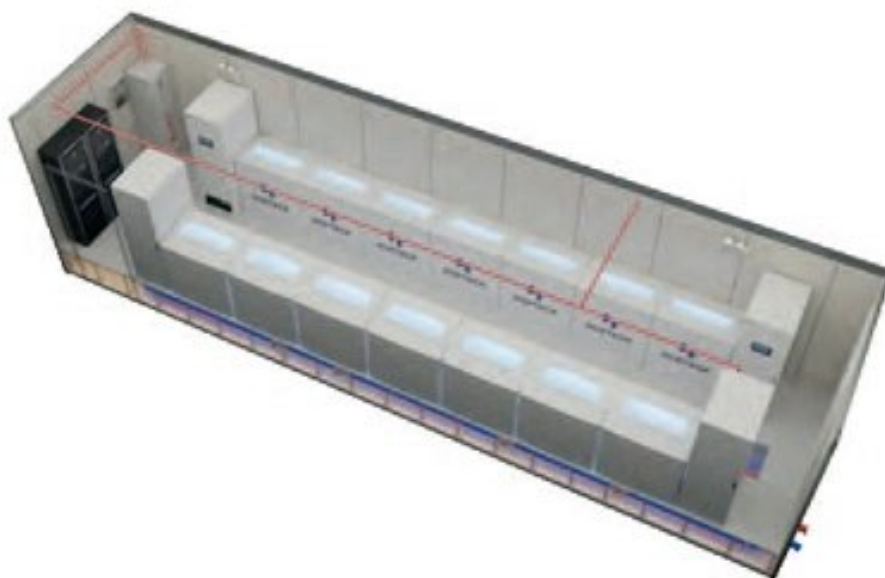
SOETECK · MODULAR DATA CENTRE CONTAINERS

Soetec Immersion Cooling Module Container (40 ft)

40 ft prefabricated immersion-cooled data centre with 4 × 400 kW in-row CDUs and 1000 kVA modular UPS

SKU ST-ICM

Soetec



EXTERNAL DIMENSIONS

12192 × 3200 ×...

PRODUCT

Immersion...

ARCHITECTURE

Immersion liqui...

PRICE

On request



REQUEST A QUOTATION ONLINE

serverinvest.com/product/soetec-immersion-cooling-module-liquid-coole...


01 Product overview

The Soetek Immersion Cooling Module is a 40-foot prefabricated data centre in which servers are submerged in a dielectric cooling medium. It combines immersion tanks, in-row coolant distribution units, a modular UPS and external battery provision in one factory-built container that can be transported, lifted into place and commissioned quickly. Target applications are AI training and inference clusters, HPC and intelligent computing centres, containerised and edge data centres, and high-heat equipment that is difficult to cool with air.

Either single-phase or two-phase immersion technology can be used. Heat passes from the components directly into the medium, which is circulated through four in-row CDUs rated at 400 kW each and then rejected outdoors by a dry cooler or closed-circuit cooling tower. The standard configuration is specified at 55 kW per cabinet, and the platform is designed for cabinet densities in the 100–400 kW range. Because fans and compressors are largely removed from the heat path, Soetek quotes a partial PUE of 1.02 to 1.05, and the system supports free cooling and waste heat recovery.

Safety and power

The tanks form a closed structure with medium circulation, temperature monitoring and overpressure protection, and the enclosure resists dust, moisture and interference for outdoor or high-temperature sites. Power is provided by a modular UPS with a 1000 kVA host, with battery capacity configured to the required autonomy.

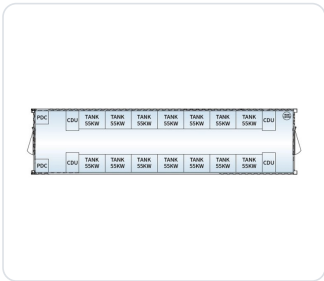
ServerInvest sizes, supplies and...

KEY SPECIFICATIONS

Product	Immersion Cooling Module
Architecture	Immersion liquid cooling + in-row CDU + UPS + external batteries
Immersion technology	Single-phase or two-phase
External dimensions	12192 × 3200 × 3800 mm
Single cabinet power	55 kW
In-row CDU	400 kW × 4
Heat dissipation method	Dry cooler or closed-circuit cooling tower
UPS	Modular UPS, 1000 kVA host
Battery	Configured according to requirements
pPUE	1.02–1.05
Supported cabinet density	100–400 kW

HIGHLIGHTS

- Single- or two-phase immersion cooling of fully submerged IT
- 4 × 400 kW in-row CDUs, 55 kW per cabinet as configured
- pPUE of 1.02–1.05 quoted by the manufacturer
- Modular UPS with 1000 kVA host; batteries sized to project
- External dimensions 12192 × 3200 × 3800 mm
- Dry cooler or closed-circuit tower; free cooling capable



02 Full specifications

MODULE SPECIFICATIONS	
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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.
office@serverinvest.com

