

CONTAINER DATA CENTER SOLUTIONS

Modular • Scalable • Secure

HyperDC Data

Turn-key Mobile Data Center Infrastructure

www.hyperdcddata.com



HYPERDC DATA
DATA CENTER EXPERTISE



UPS



Precision
Cooling

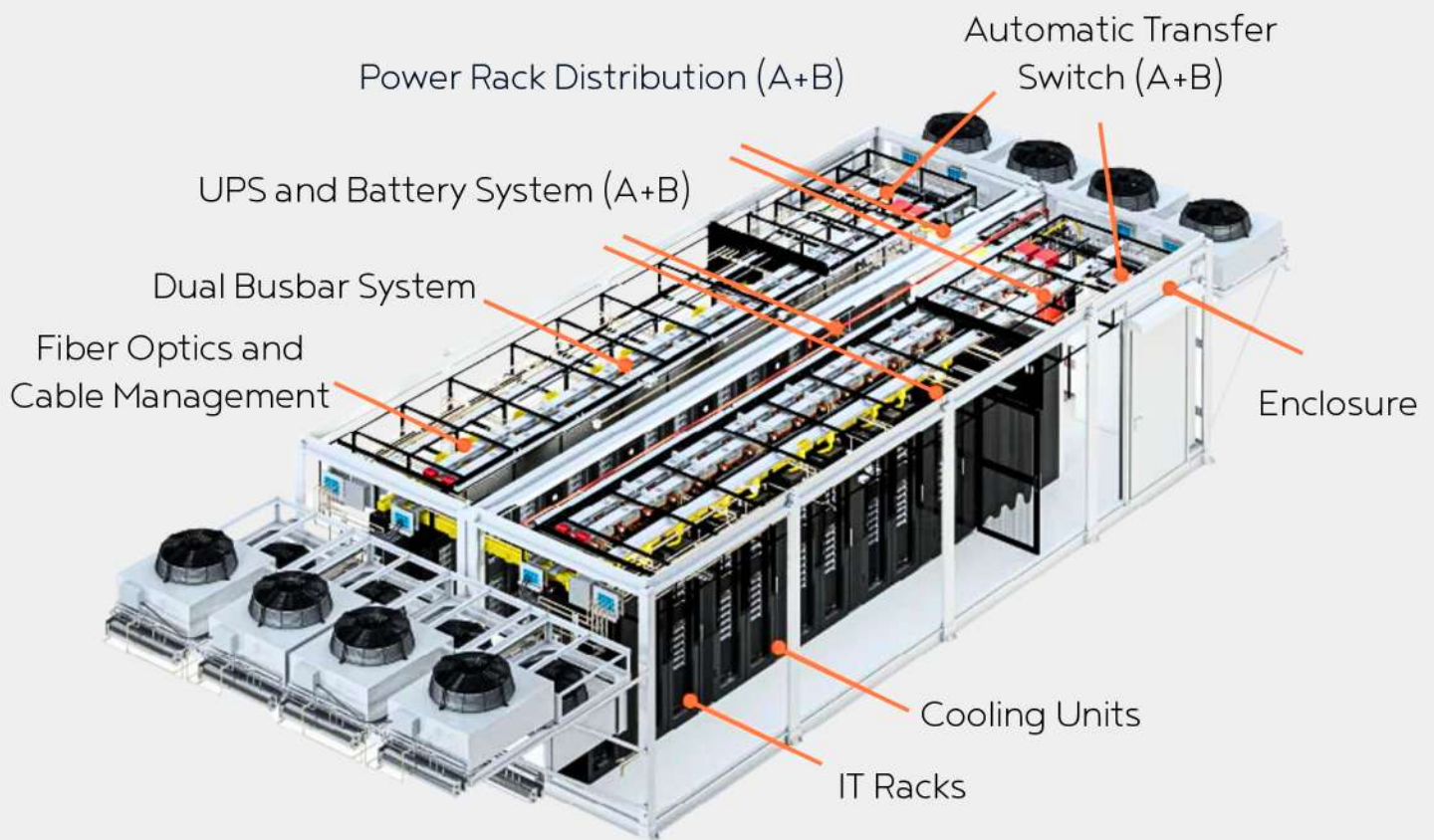


Rack
Systems



Power
Distribution

Hyper DC Data for a Hyper World



HYPERDC DATA
DATA CENTER EXPERTISE

Introduction

We would like to welcome you to HyperDC innovative world. HyperDC is one of the companies that lead the Data Center industry with over 20 years experience. HyperDC headquarters is in Istanbul and the production plant is in Kocaeli, 1 hour away from Istanbul. HyperDC everytime offers you reliable, flexible and corporate solutions. HyperDC is always with you for the rapidly evolving data center world.

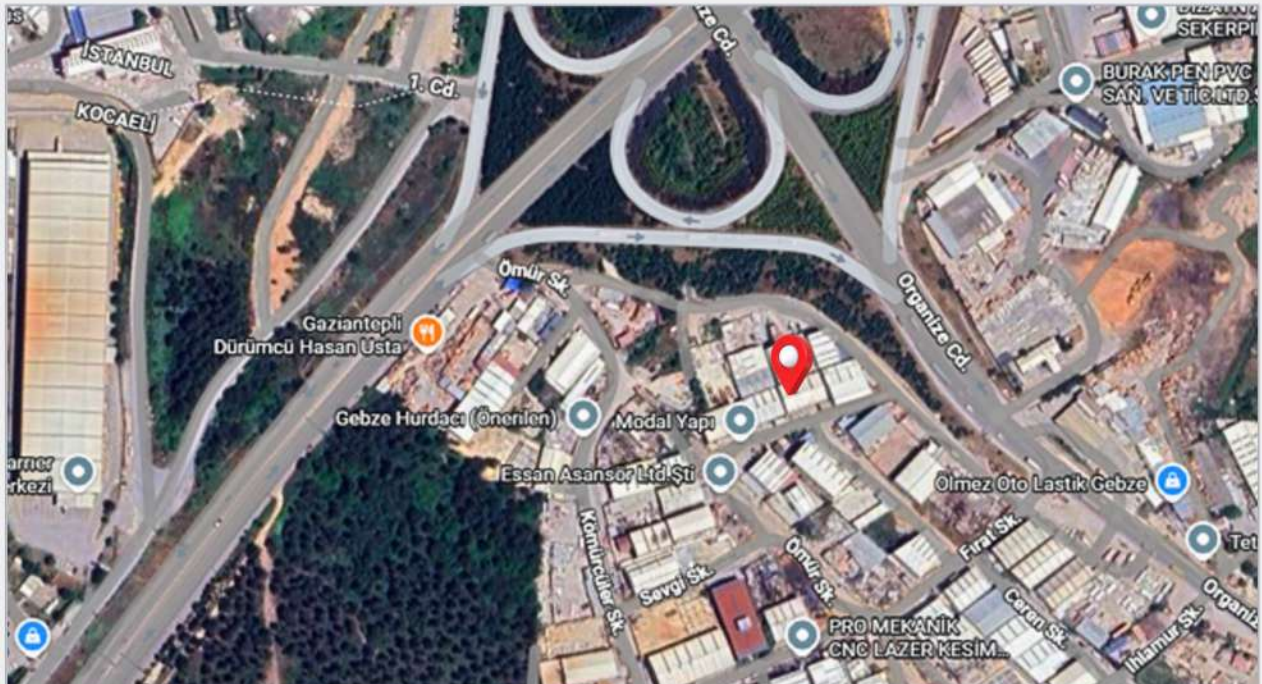
Container / Prefabricated Datacenter

Container DataCenters, which offer solutions for every need with its high technology that leaves traditional construction times and investments behind, have now become a necessity.

This technology offers a reliable system that is independent of your existing infrastructure, from 3 kw heat load to 100 kw heat load per rack. It is enough to have a land or space, the rest is your needs and HyperDC Container Datacenter Solution.

Production Plant

Production plant is totally 1200 sqm and located in Gebze, Kocaeli.



Features & Value

➤ FLEXIBILITY

Solutions Tailored to your needs and suitable for all capacities and climate conditions.

➤ SCALABILITY

Suitable for all your needs and 1st day and End-of-day growth plans.

➤ INNOVATIVE

Solutions suitable for AI designs with cutting-edge technology solutions.

➤ MOBILITY

No need to any heavy construction Works and Mobile system for relocation and transportation.

➤ SIMPLICITY

No need for heavy constructional Works. Onsite installation within one day.
Plug-Play system with factory prefabricated property.

➤ REDUNDANCY

Uptime Tier 3 - Tier 4 design both for Cooling and Energy systems.
Sustainable system in every conditions.

➤ ENERGY EFFICIENCY

Energy efficient design with industry leading PUE.
Dynamicaly optimized system with high quality products and AI technology.

➤ RELIABILITY

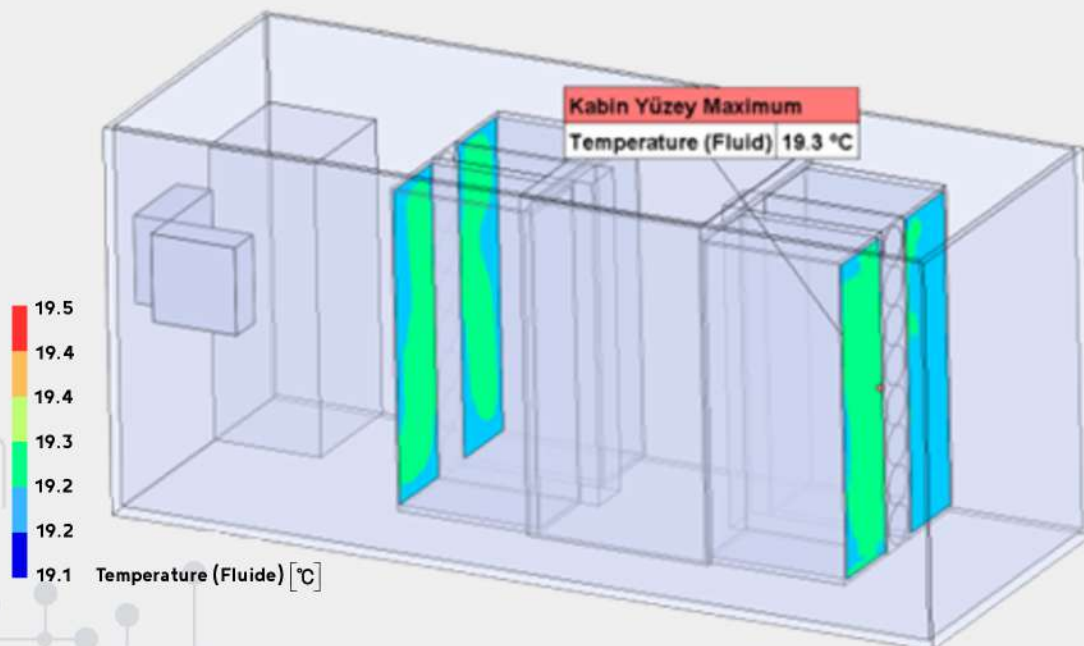
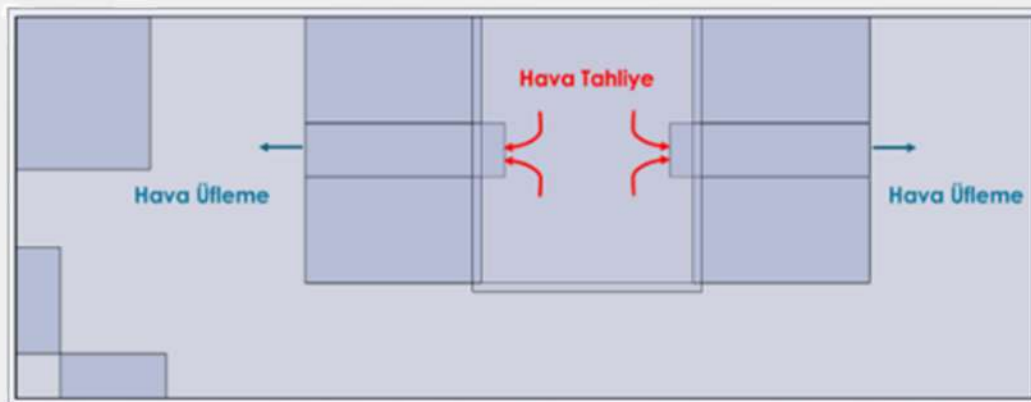
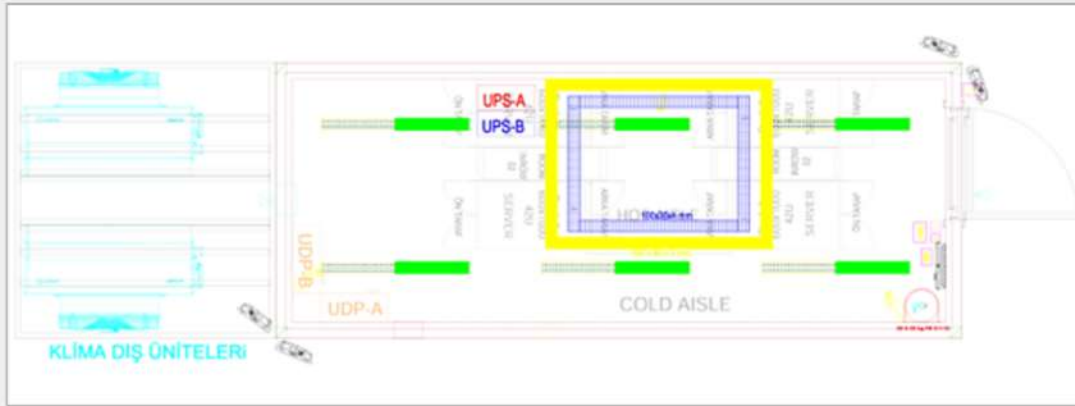
Long Lasting system up to 25 years.
Highly protected with IP55 or IP65 design.

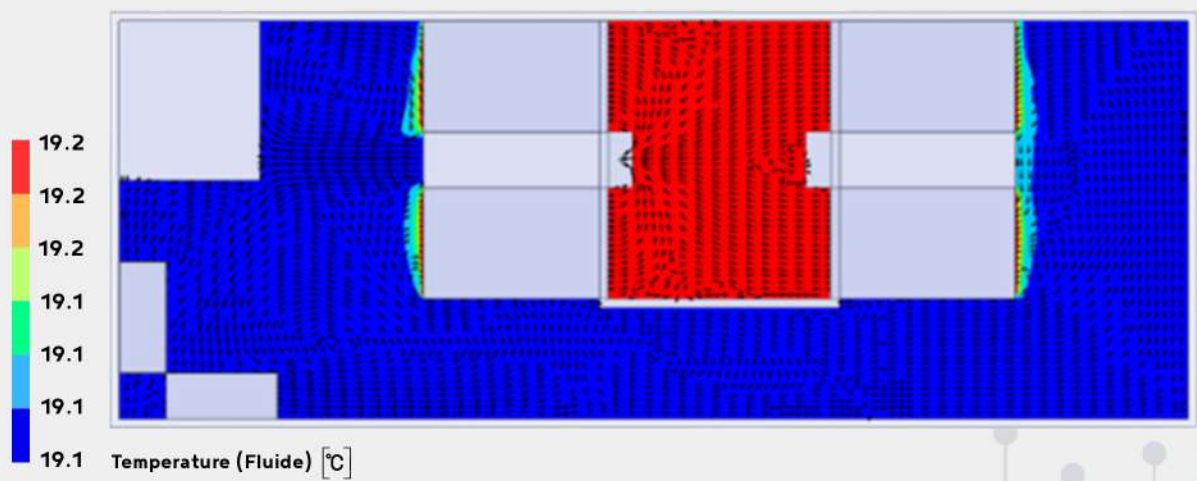
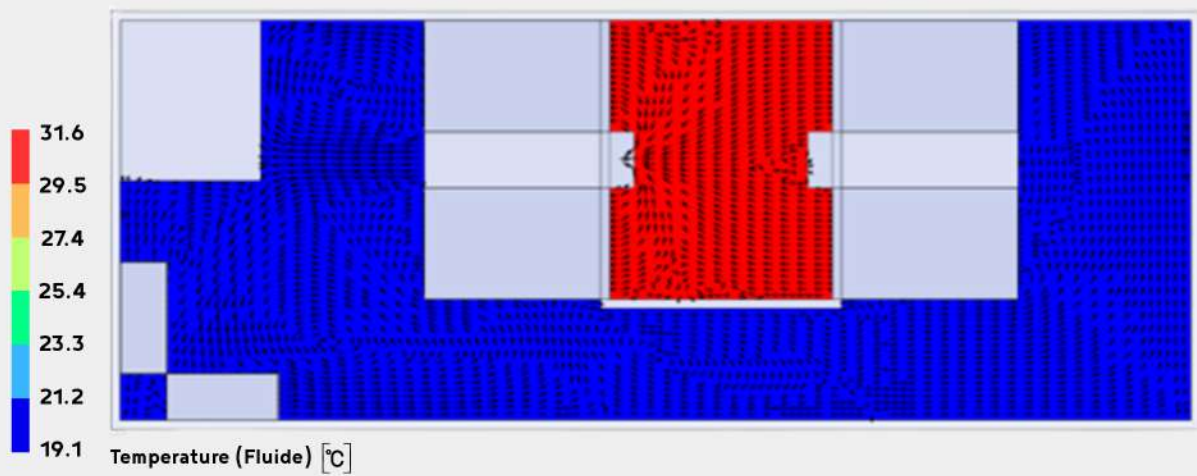
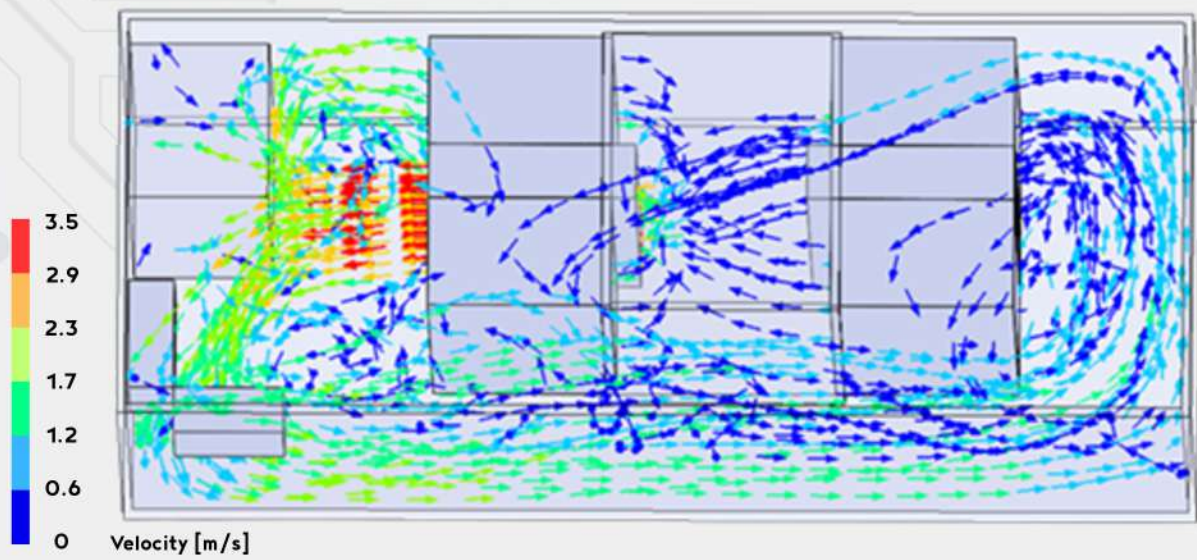
➤ MONITORING AND MANAGEMENT

Distance independent manageable structure.

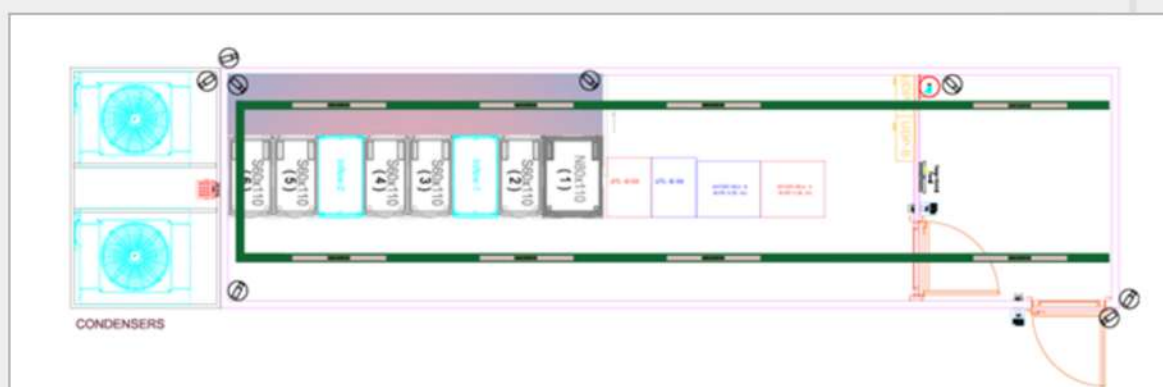
Container Datacenter Types

➤ HDC01-I20HC-40 (Up to 40 KW)

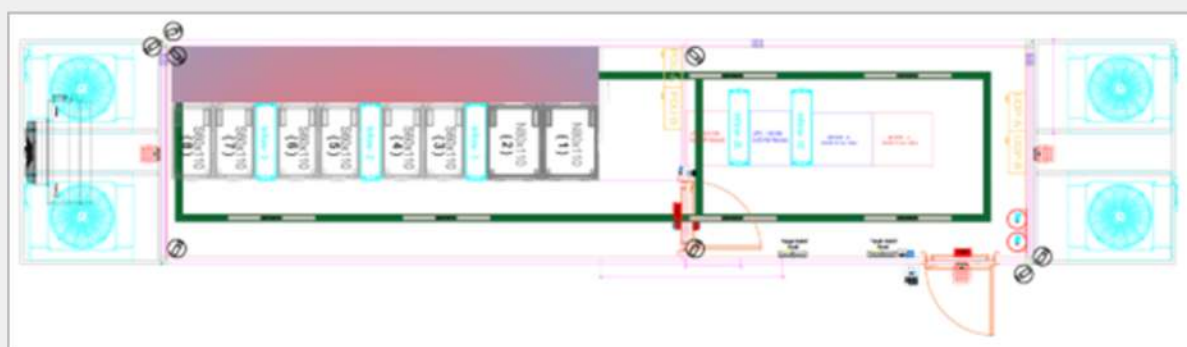




➤ HDC02-NI40HC-60 (Up to 60 KW)



➤ HDC03-NI40HC-90



➤ HDC04-NI45HC-120

For layout design and other technical details, please contact us.



➤ HDC04-NI45HC-120

For layout design and other technical details, please contact us.



➤ HDC06-AI

For layout design and other technical details, please contact us.

Technical Sheet

TYPE		HDC01-I20HC-40	HDC02-NI40HC-60	HDC03-NI40HC-90	HDC04-NI45HC-120	HDC05-2NI45HC-150	HDC06-AI
General Conditions & Structural Parameters	Deployment	Outdoor Application, Warehouse					
	Attitude Range	Max. 3000 meters					
	Operating Ambient Temperature	From -34.0 C To +52.0 C					From -25.0 C To +50.0 C
	Humidity Range	%5RH - %95RH					
	Storage Temperature	From -40.0 C To +70.0 C					
	Storage Humidity	%5RH - %95RH					
	Power Density	IT Load ≤20 kW	IT Load ≤ 35kW	IT Load ≤ 50kW	IT Load ≤ 75kW	IT Load ≤ 100kW	IT Load ≤ 400kW
	Number of Racks (min. - max.)	4	6	8	10-12	20	4-20
	Number of Prefabricated Container	1	1	1	1	1-2	2-4
		<i>*More than 1 container means that there are combined and integrated 2 pieces container.</i>					
	Environment corrosion requirements	Class C environment: At least 500m away from strong corrosive environments (Such as seaside and heavily polluted chemical plants)					
	Waterproof and dustproof	IP55					
	Container Service Life	At least 25 Years					
	Dimensions	2400x5700x2950	3200x12000x2950	3200x12500x2950	3200x13500x2950	5600x13500x2950	-
Electrical Parameters	Weight (tons)	2,8	3,9	3,9	3,9	5	-
	Power Mode	400 V / 3 ph / 50 Hz					
	Input Voltage Range	380/400V ±10%					
	UPS Quantity	2	2	2	2	2	2
	Battery Type	VRLA	VRLA	VRLA & Li-On	VRLA & Li-On	VRLA & Li-On	VRLA & Li-On
Thermal Parameters	Backup Time	5 min. - 30 min.	5 min. - 30 min.	5 min. - 30 min.	5 min. - 30 min.	5 min. - 30 min.	5 min. - 30 min.
	Cooling Capacity (Net Sensible)	25 kW	40 kW	50 kW	75 kW	100 kW	400 kW
	Unit Dimensions	300 x 1100 x 2000 (w x d x h) mm					Project
	Compressor Type	Inverter Driven					Project
	Fan Type (indoor unit)	EC fan					Project
	Cold Aisle Temperature Range	18 C - 27 C					Project
	Outdoor Unit Coil Type	Microchannel					Project
	Fan Type (outdoor unit)	EC fan					Project
Detection Parameters	Access Control	Card Access Control					
	Video Surveillance	Yes					
Fire Protection Parameters	Automatic Gas Fire Extinguishing System	Yes					
	Gas Type	FK 5112					
	Fireproof Performance	60 minutes resistant					
Service Organization	Turkey Locations	İstanbul & Ankara & İzmir & Bursa & Adana & Antalya & Erzurum & Şanlıurfa & Trabzon & Samsun					
	Cyprus Locations	Nicosia & Kyrenia					
	Azerbaijan Locations	Baku					

Product Specifications

► Uninterruptible Power Supply (UPS)

o Rack Type UPS

• Liebert® ITA2 10-40 kVA

Operational Efficiency	• Up to 96.2% Efficient in Double Conversion Mode • Up to 99% Efficient in ECO Mode • 3-Level T-Free Inverter/Rectifier
Capacity Ratings	• 10, 15, 20, 30, 40 kVA • Unity Output PF • 3/1 configuration available for 10-20kVA • Parallelable up to 4 units • Integrated Parallel and Dual Bus function
Information and Control	• Unity Card compatible • IS-Relay Card compatible • Supported by LIFE™ Services • Dual intellislot option available • Compatible with Vertiv monitoring offering
Robust Design	• Leading Power Factor Support (0.5 leading - 0.5 lagging) • Battery Charger Current 13 A
Infrastructure Optimization	• Light Weight • Power Distribution Option • Battery Modules Option • Programmable power outputs and dry contacts • Input PF >99%, THDi ≤3%



• Liebert® GXT5™

The Vertiv™ Liebert® GXT5™ UPS is an online double conversion UPS solution which offers premium power outage protection and continuous power conditioning in a compact and flexible deployment system.



Product Specifications

Modular UPS

Vertiv™ Liebert® APM2

Innovation-enabling Flexible Architectures The innovative and flexible architecture of the Vertiv™ Liebert® APM2 reduce costs, improve management, and speed deployment. The modular architecture of the Vertiv™ Liebert® APM2 allows a single unit capacity to be scaled up to a maximum of 600 kW in one single unit. There are two different frames available, each with a specific maximum cabinet capacity.

Vertiv™ Liebert® APM2 30-120 kW

With Internal Batteries (Also available in compact version without Battery)

- 1 Communication Module
- 2 30 kW 2U Power Modules
- 3 Touch Screen – GHMI
- 4 Bypass Module
- 5 Battery Modules
- 6 Switch Assembly
- 7 Cable Entry Terminals (Bottom)

Available in three variants 1. Maintenance Switch Only 2. Full Switch 3. Without Switch



Precision Controlled Air Conditioning System

In-Row Air Conditioning

Liebert® CRV™

Available in Multiple Configurations

Direct Expansion

Model	CRD10	CRD25	CRD35
Sensible Cooling Capacity	10 kW	25 kW	35 kW
Unit Width (mm)	300	300	600

Chilled Water

Model	CRC30	CRC60	CR040	CR050
Sensible Cooling Capacity	30 kW	39 kW	40 kW	50 kW
Unit Width (mm)	300	300	600	600

Scalable Cooling Capacity

Each model is capable of at least 20-100% (0-100% for CW units) capacity modulation, meeting the ever-changing demands of the system at all times and providing high cooling availability.

Top or bottom connections

All models come standard with top and bottom connections for easy connection and flexible installation regardless of building architecture.

Directional Air Baffles

Improve system performance and deliver ideal air distribution with directional air baffles that provide cool air exactly where it's needed most.

Multiple heat rejection options

Available as a DX or Chilled Water system, the Liebert® CRV provides multiple options depending on your preferred heat rejection method.

Monitoring & Control

The Liebert® CRV comes standard with monitoring and control capabilities, further increasing the reliability, efficiency, and longevity of the system, all while providing more space of mind.

Display Screen

A large 7" touch screen display provides easy to use controls and system status reporting. Customize set points and alarms to fit your needs with the friendly user interface.

Unit-to-Unit Teamworking

When full system integration is required, the Liebert® CRV stands up to the challenge with unit-to-unit communication providing higher full IT system efficiency and reliability.

Rich Standard Features

Going above and beyond typical standard features, the CRV DX offers electric reheat, humidification (select models), and dual power supply for added functionality and control over your IT deployment.

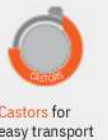


Product Specifications

Server and Network Rack

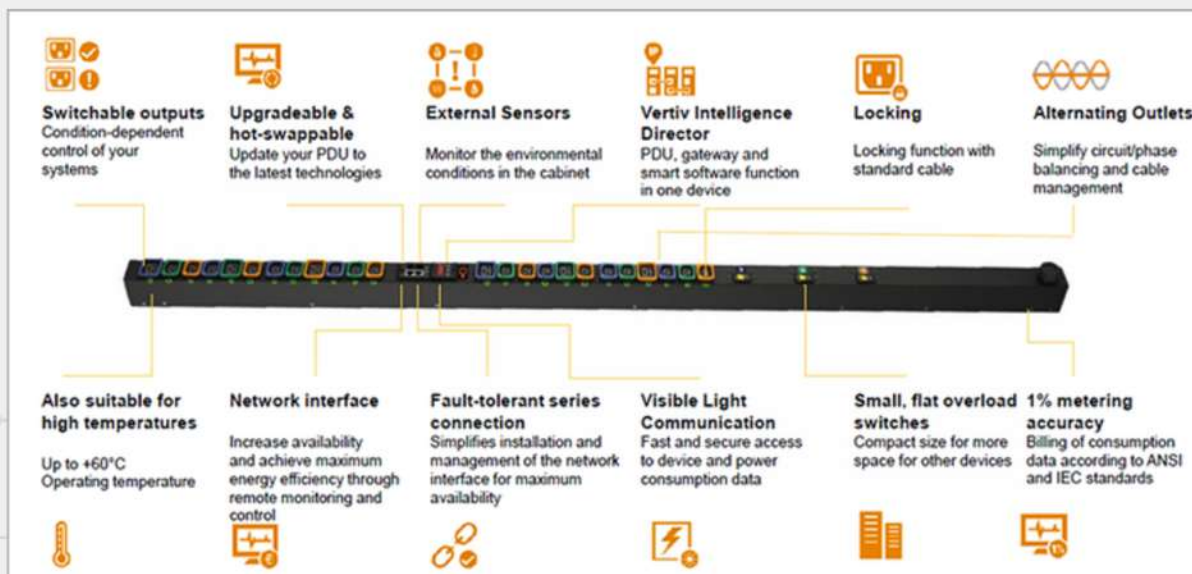


BENEFITS OF AN ALL IN ONE RACK



PDU

Vertiv Geist rPDU



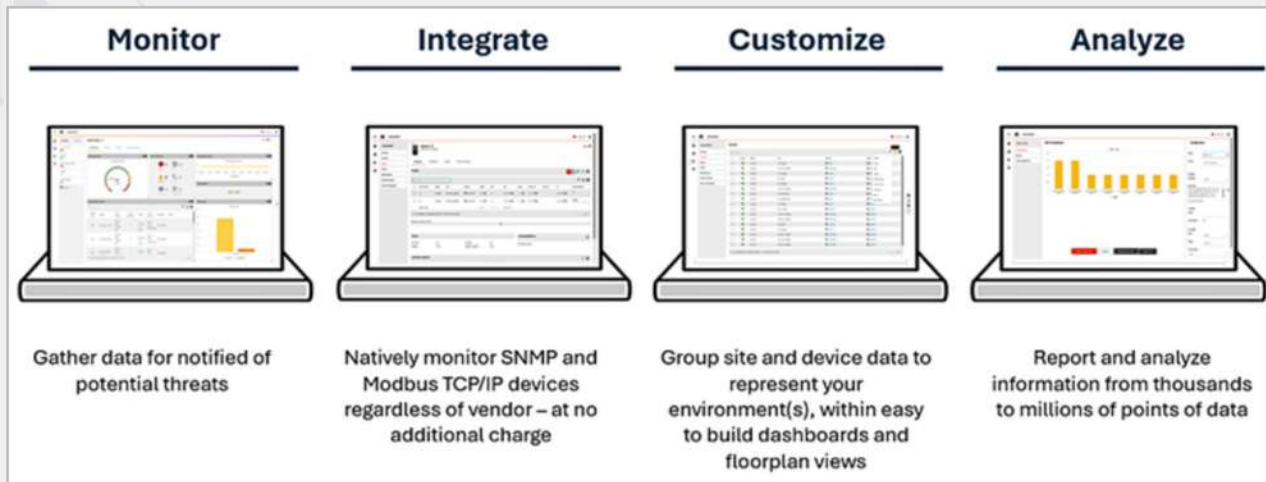
Chassis Color Options:



Product Specifications

► Monitoring Software for Data Center Hardware

o Powerful Monitoring and Data Visualization



• Environet™ Alert



Hyper DC Data for a Hyper World



HYPERDC DATA
DATA CENTER EXPERTISE



HYPERDC DATA
DATA CENTER EXPERTISE

www.hyperdcdata.com



UPS



Precision



Rack



Power