





MODULAR DATA CENTER







SYSTEM OVERVIEW

The Intelliflex™ OctoPod solution is a modular, start-to-finish line of products purpose built for today's high performance data centers.

The OctoPod is a fully integrated modular system for the ever-evolving data center industry. Designed and built at our state-of-the-art North American manufacturing facility, our team boasts over a century of combined experience in multidisciplinary engineering and craftsmanship. This modular solution meets expectations with unmatched density, scalability, and customizable options tailored to your specific needs and preferences.

This comprehensive solution, with its versatile cooling system, supports all current computing hardware and anticipates future upgrades. This forward-thinking design ensures compatibility and readiness for the latest technologies, providing seamless integration and optimal performance as new hardware becomes available on the market.

Elevate your operations today and stay ahead of tomorrow's challenges. Let's take a deep dive into the technical data and options that OctoPod has to offer.





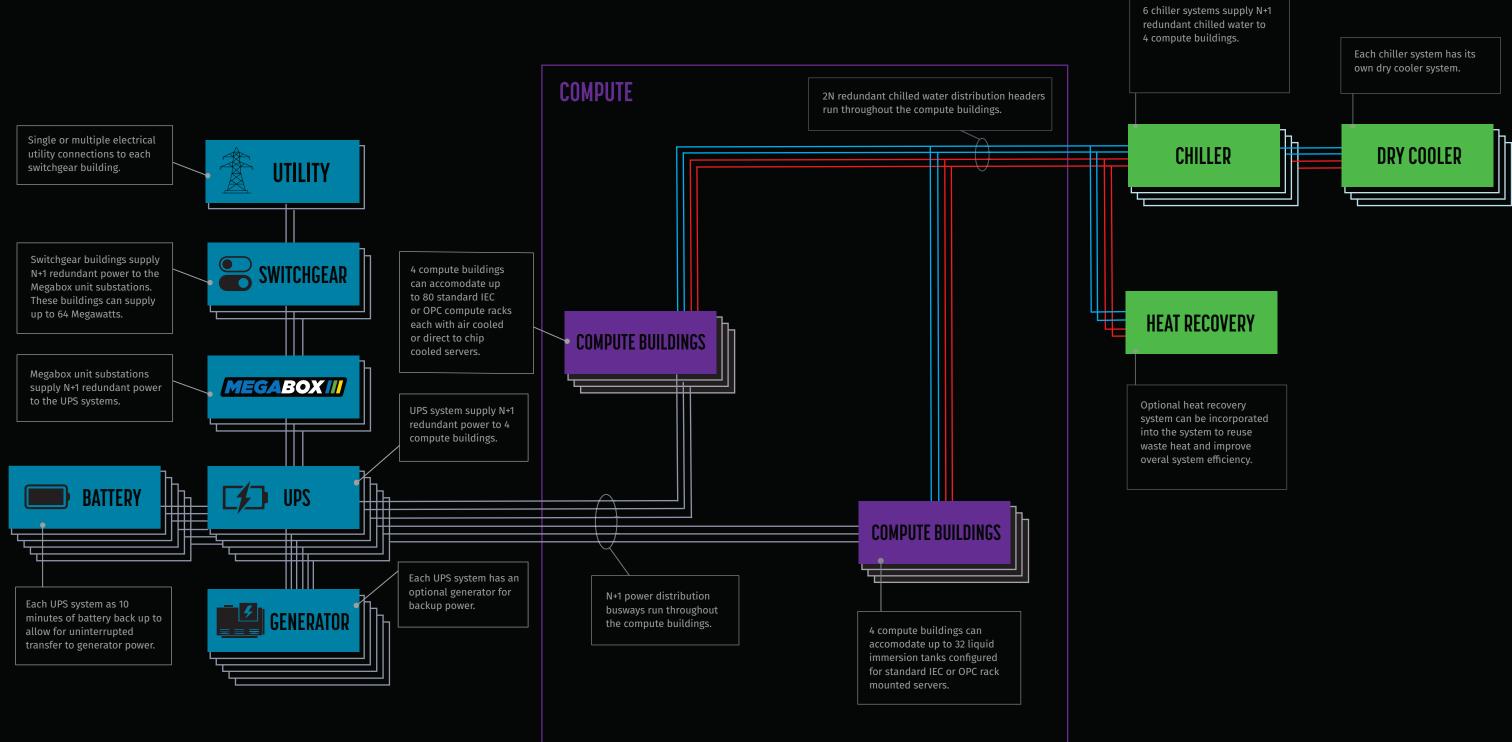
MODULE DESCRIPTIONS

HIGH LEVEL SPECIFICATIONS

		Block Capa	city	OctoPod Capacity	Details/Options
E	COMPUTE modules house all of your server and network racks/immersion tanks and associated smart PDUs. It includes all of your power distribution bus system and liquid cooling pipe rack assemblies.	 Computing load Compute racks: Immersion tank Up to 4,160U rad 	l: up to 7.5MW 80 units xs: 32 units	 Computing load: up to 30MW Compute racks: 640 units Immersion tanks: 256 units Up to 33,280U rack space 	 Cooling options: Liquid immersion Direct to chip Air cooling
***	COOLING modules include chiller units paired with roof-mounted dry coolers, equipped with variable speed control for optimal efficiency. Three chiller systems, and associated dry coolers and piping allows for N+1 redundancy.	 Cooling capacit Ambient temp: Chillers: 12 x 750 	up to 122F	 Cooling capacity: up to 30MW Ambient temp: up to 122F Chillers: 48 x 750KW / 250Ton 	 Economizer Heat recovery Automated controls
	UPS modules host redundant UPS lineups, ensuring N+1 redundancy for power distribution. Also includes HVAC system providing comprehensive environmental control.	 Power capacity: 12 Independent 12 x 2500Amp b 	UPS systems	 Power capacity: 60MW 48 Independent UPS systems 48 x 2500Amp busway 	 Up to 99% efficiency <3% harmonic distortion
Ē	BATTERY modules ensure seamless power continuity by delivering stored energy to bridge the gap until standby power takes over, in the event of a primary power outage.	Battery capacity Battery racks: 72 Battery count: 1	2	 Battery capacity: 10MWh Battery racks: 288 Battery count: 4,896 	 10 min. runtime @ 100% capacity Lithium ion batteries
F	SWITCHGEAR modules include incoming power utility cabinet, and all associated feeder breakers, and protections for the downstream medium voltage site power infrastructure requirement.	 Power capacity: Voltage range: u 		 Power capacity: 72MW Voltage range: up to 69KV 	 Up to 3 power sources Optional transfer switch Optional SCADA
	GENERATOR modules provide you with a backup power source in the event of a primary power outage.	 Power capacity: Unit capacity: 6 Voltage: 415V 	•	 Power capacity: up to 72MW Unit capacity: 24 x 3MW Voltage: 415V 	 Fuel: diesel Level 3 sound enclosure 84dba 24h run time UL142 dual wall fuel tank
‡‡‡ \$	MEGABOX modules are unit substations that handle medium voltage, power transformation, metering, and protection downstream from the switchgear building.	 Power capacity: Unit capacity: 6 Primary voltage Secondary voltage 	x 3MW : up to 69KV	 Power capacity: up to 72MW Unit capacity: 24 x 3MW Primary voltage: up to 69KV Secondary voltage: 415V 	 Power monitoring Shunt trip Dry type cast resin Split Core Secondary Protection
	CONTROL ROOM modules are tailored to your specifications, to house operator stations, central servers, networking hubs, workshops, restrooms, etc. offering a fully customizable solution to meet your needs.	• Footprint: 720 s	qft	• Footprint: 720 sqft	 Main operator control station Central servers and network racks Customizable work space Restroom / change room



OCTOPOD BLOCK DIAGRAM





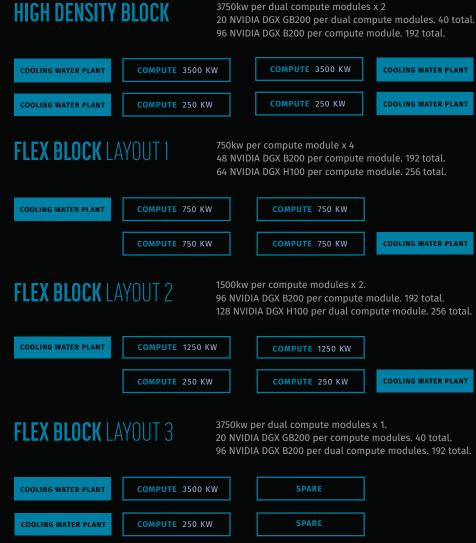


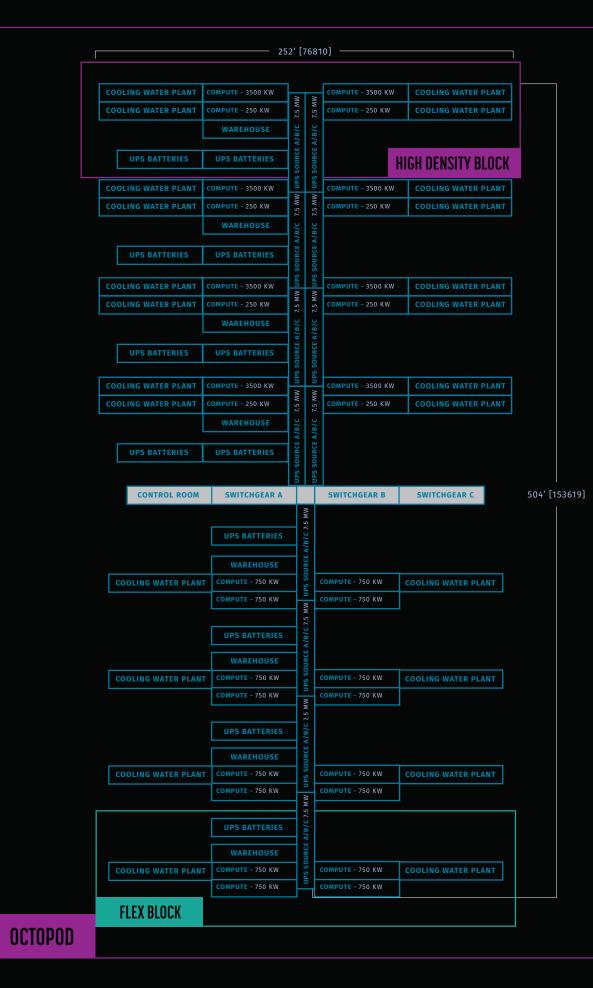
ENERGY UTILIZATION

HIGH DENSITY BLOCK					
TOTAL	COMPUTE	COOLING	AUXILIARY	PUE	
10MW	7.5MW	2MW	500KW	1.33	
100%	75%	20%	5%		

FLEX BLOCK					
TOTAL	COMPUTE	COOLING	AUXILIARY	PUE	
4MW	3MW	800KW	200KW	1.33	
100%	75%	20%	5%		







3750kw per dual compute modules x 2

COMPUTE 3500 KW	COOLING WATER PLANT
COMPUTE 250 KW	COOLING WATER PLANT





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WHY US

MULTI-DISCIPLINE ENGINEERING & MANUFACTURING TEAM

Our team includes specialists in Electrical, Network, Automation, Structural, and Mechanical fields. Our team boasts over a century of combined experience, we're able to help realize every aspect of your data center needs.

MANUFACTURING FACILITY

Our state-of-the-art manufacturing facility is equipped with the latest technology. We focus on precision and efficiency, ensuring top-quality production that meets the highest industry standards. Our 72,000 soon to be 126,000 sq ft manufacturing facility is capable of handling fast paced, large scale deployments. This ensures we can meet your demands quickly and efficiently.

COST- EFFECTIVE SOLUTIONS

Having our engineering and manufacturing teams under the same roof streamlines the process from design to reality. The OctoPod's modular design speeds up site deployment while making the most of your available real estate. These factors combined make for the most cost-efficient solution on the market.

START-TO-FINISH APPROACH

We provide a seamless service from design and manufacturing to deployment and site infrastructure. Our team ensures smooth startup, commissioning, ongoing site operations, and preventative maintenance services.







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