



# **MODULAR** DATA CENTER



### **Scalability**

Our modular solution offers unmatched scalability, allowing for seamless expansion of your infrastructure to meet your growing capacity, ensuring optimal performance and efficiency at every stage.



### **Density**

OctoPod offers exceptional density, matching the ever growing computing demand, while maintaining efficiency and minimizing infrastructure footprint thanks to our innovative modular design.



### **Serviceability**

Serviceability and redundancies were key considerations when OctoPod was designed, making for ease of operation & maintenance, allowing for maximum uptime.



#### Efficiency

Achieve unparalleled efficiency with OctoPod. The cutting-edge liquid cooling system ensures maximum performance while minimizing energy consumption, and reducing your operational costs.



### **Flexibility**

Experience limitless
possibilities with OctoPod's
innovative modular design.
Whether you prefer traditional
or liquid cooling, our system
seamlessly accommodates all
leading computing hardware
available on the market.



### Industrial build quality

Built to the highest industrial standards and features top-tier product selection, the OctoPod sets the quality benchmark in the industry. Trust our robust design to deliver consistent performance and longevity for your data center infrastructure.





## **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.

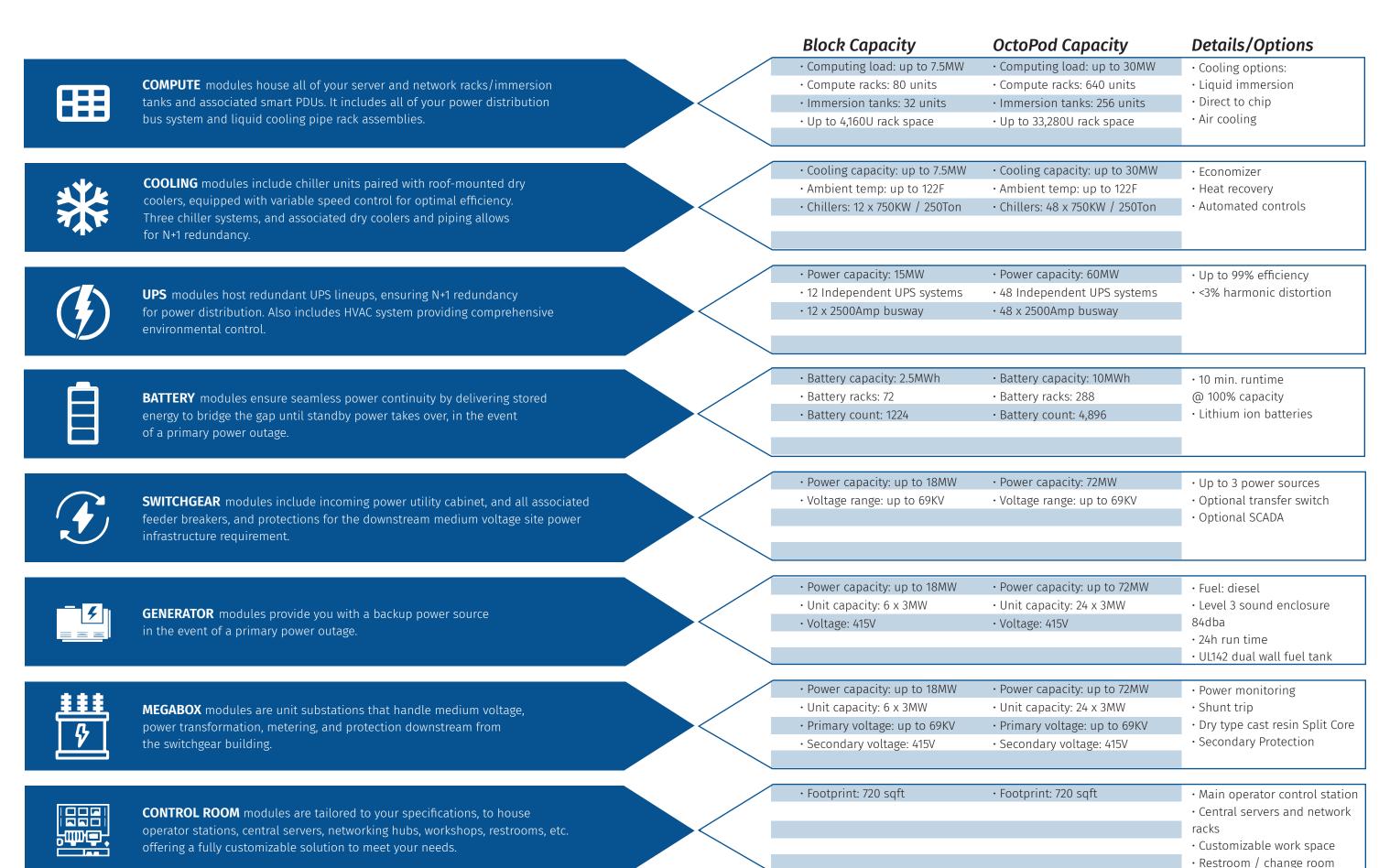






## **MODULE** DESCRIPTIONS

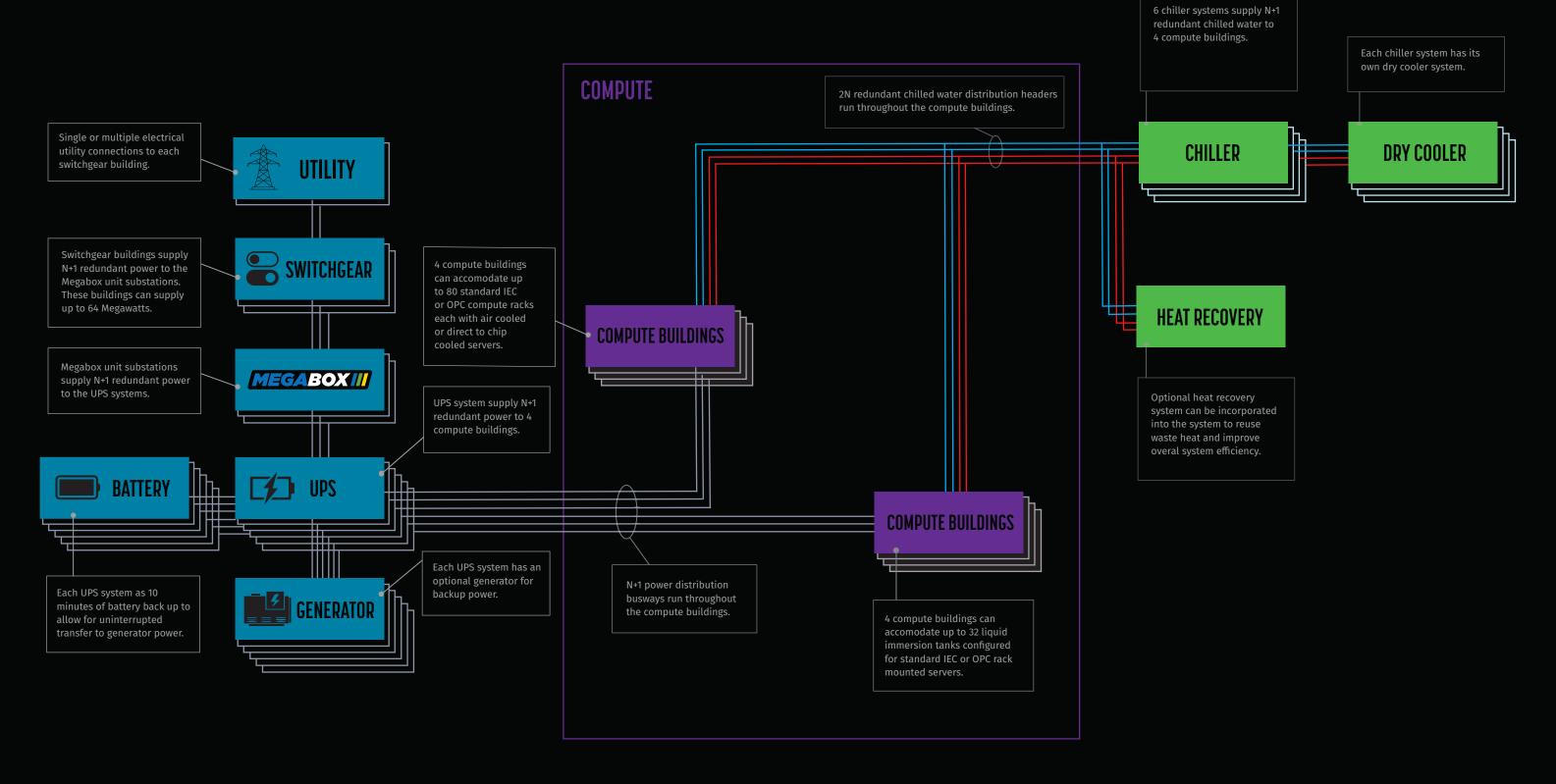
## **HIGH LEVEL** SPECIFICATIONS





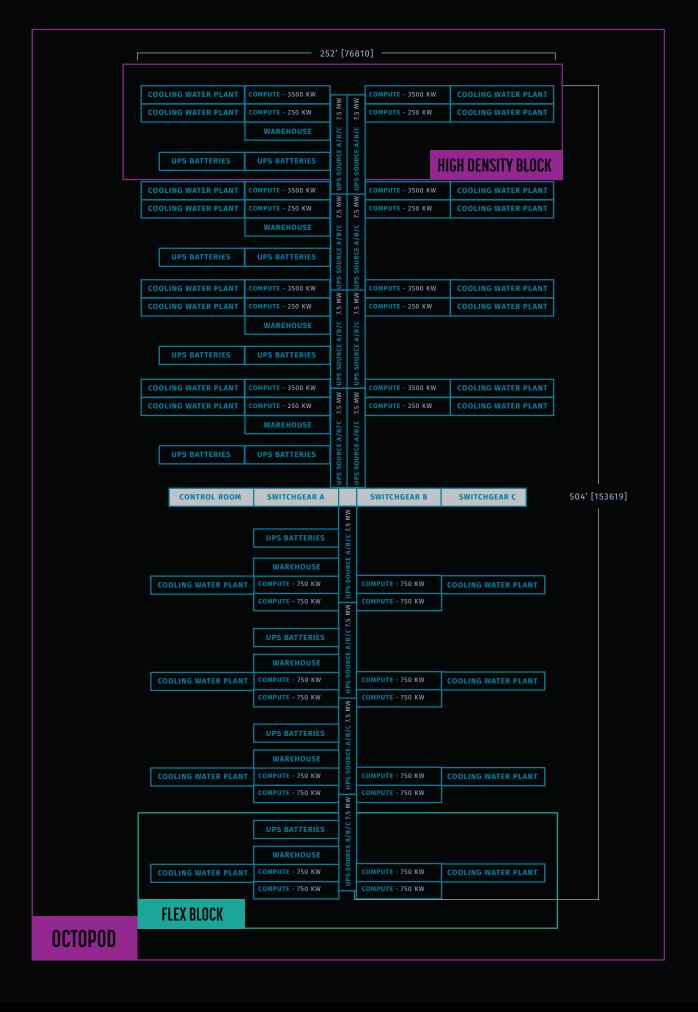


# OCTOPOD BLOCK DIAGRAM









# **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%			

# **DENSITY VARIATIONS**

### **HIGH DENSITY BLOCK**

3750kw per dual compute modules x 2 20 NVIDIA DGX GB200 per dual compute modules. 40 total. 96 NVIDIA DGX B200 per compute module. 192 total.

COOLING WATER PLANT

COMPUTE 3500 KW

COMPUTE 3500 KW

COMPUTE 250 KW

COMPUTE 250 KW

COOLING WATER PLANT

### **FLEX BLOCK** LAYOUT 1

750kw per compute module x 4 48 NVIDIA DGX B200 per compute module. 192 total. 64 NVIDIA DGX H100 per compute module. 256 total.

COMPUTE 750 KW

COOLING WATER PLANT

### FLEX BLOCK LAYOUT 2

1500kw per compute modules x 2. 96 NVIDIA DGX B200 per compute module. 192 total. 128 NVIDIA DGX H100 per dual compute module. 256 total.

COOLING WATER PLANT

COMPUTE 1250 KW

COMPUTE 250 KW

COMPUTE 250 KW

COMPUTE 250 KW

COOLING WATER PLANT

### **FLEX BLOCK** LAYOUT 3

3750kw per dual compute modules x 1. 20 NVIDIA DGX GB200 per compute modules. 40 total. 96 NVIDIA DGX B200 per dual compute modules. 192 total.

COOLING WATER PLANT

COMPUTE 3500 KW

SPARE

COOLING WATER PLANT

COMPUTE 250 KW

SPARE











## 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.



