



GREEN RACK

The Future Of Data Centers



INDOOR GR100

Micro Data Centers

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It's an all-in-one compact, portable and secure micro data center that eliminates the need for traditional on-premise server room.

Designed and built to protect your assets and IT infrastructure no matter where you are located - wherever that may be.

The INDOOR GR100 is optimized according to the needs of each user, totally isolated from the environment, with the necessary physical infrastructure to provide operational continuity to your critical equipment, including high security standards such as restricted access, remote monitoring of environmental variables, fire control, UPS and cooling system.

Applications

- Business outlets (industry like: telecommunications, finance, energy, radio, television, retail, etc.)
- Small enterprises branches and networks of large enterprises, government, education, healthcare, etc.

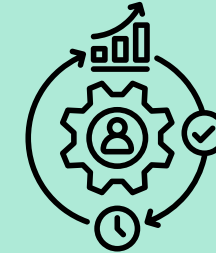


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INDOOR GR100 - Benefits

Efficiency

- Aisle Containment: Cold and hot aisles surrounding the cabinet are enclosed. This setup improves the effectiveness of air conditioning by optimizing airflow.
- Inverter Compressor: The compressor adjusts its operation according to the load, which reduces overall energy consumption.



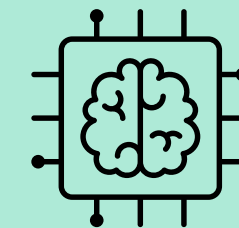
Stable and Reliable

- Emergency Cooling: Includes an emergency fan for cooling during critical situations.
- Power Supply: Utilizes 2N architecture for redundancy and reliability.
- Voltage Input: Operates reliably with an ultra-wide voltage input and includes power protection features like phase sequence detection.
- Component Selection: Uses low-temperature and long connecting pipe components to ensure dependable operation.



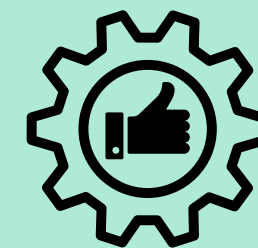
Intelligent management

- Comprehensive After-Sales Service: Offers a one-stop solution for timely handling of equipment failures.
- Dynamic Monitoring System: Standard system providing various reports and data statistics, local and remote monitoring and management, and multi-point access to an upper management platform for unified supervision and support.



Simpler

- Integrated Design: Combines UPS, battery, power distribution, air conditioning, monitoring, wiring, fire protection, and other components into a single cabinet. This eliminates the traditional sub-item construction method.
- Modular Design: Utilizes modular components with a unified interface, facilitating rapid on-site installation and maintenance.



Monitoring Systems

- Excellent User Interface: Features a 10-inch touch screen displaying real-time operational status.
- Comprehensive Monitoring: Provides a standard interface for real-time monitoring of power distribution, UPS status, temperature, humidity, smoke detection, and other critical information to ensure stable operation.
- Energy Management: Capable of displaying energy consumption statistics and showing trends in electricity usage over the last 12 months.
- Multi-Terminal Access: Supports access from multiple terminals via an app or web browser, ensuring secure authentication to the system.



- Monitoring of the operating status of IT equipment is available on request.
- The customer has to provide the communication protocol of the IT equipment to be monitored.



INDOOR GR100 - Product Features



Power supply and distribution systems

- 10KVA capacity available
- Rack mountable
- Power back-up time on demand (5 -20 minutes)
- Automatic Transfer System (ATS) dual input switching
- Industrial grade devices with built-in Class C lightning protection
- Comprehensive monitoring, real-time power display

INDOOR GR100 - Technical Parameter

System	Index	INDOOR GR100
Power supply & distribution	UPS Capacity	10KVA
	Power Factor	0,8
	Total Power Input	220V/40A
	Height	4U
	Lightning Protection	Cclass
	Energy Redudancy	Automatic Transfer System (ATS)
Cabinet	Reccomended number of IT cabinets	1
	Available Space	28U
	Number of PDU ´s in a single rack	1´ Bbit 0A
	Closed Aisle	Fully enclosed
	Emergency ventilation	Fan-type
	IT space expansion	Standard Itcabinet with 42U usable space (optional)
Refrigeration	Type	Rack Mount
	Cooling capacity (KW)	3.5KW - 12.000 BTU
	Sensible heat ratio	1
	System	Compression system +EC fan
Monitoring	Monitoring volume	UPS Power, distribution AC-water, leakage, Temperature, Humidity, smoke, door sensor
	Function	Data collection and storage, alarm management, energy consumption analysis, remote access.
	Display	10-inch Touch screen
Fire	Heptafluoropropane	1U Rack-mounted gas fire extinguishing system
Battery	Standard number of batteries	8
	15 minutes average, depending on load level	2U Battery Pack
	Longer tome delay	Can be replaced with high-capacity batteries or increase the number of battery packs (not more than 4)
Size	W*D*H-mm	600*1200*2000
Environment	Environment temperature	0-45°C
	Environment humidity	Relative humidity 0%-95%, no condensation
	Altitude	<1000m, the excezz part is derated according to relevant standars



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