



HBIT RACKS SPECIFICATION



DCH5000 series Modular Data Center



Introduction

DCH5000 is a complete self-contained modular data-center designed by ACwatt experts to enable rapid and risk-free IT deployments.

With capacities up to 15 racks, integrating cooling, UPS, power distribution, and emergency ventilation, the DCH5000 enables standardization of complete micro datacenter configurations across multiple locations.

Appliances

Small data centers and campus data centers, Banking, Financial and Insurance, Education, Healthcare, Manufacturing, Retail and Wholesale, Transportation.

Features

High Reliability

- Engineering productization, prefabricated installation, redundant design of key systems and components to enhance overall system reliability.
- Intelligent management, supporting various alert methods such as SMS, phone calls, emails, and audio-visual signals, with multiple human-machine interaction methods including remote apps, local LCD, and web interface.
- High energy efficiency, adopting high-efficiency intelligent modular UPS, integrated distribution design, various modes of rack/In-row precision air conditioning, closed channel deployment, empowering data centers to achieve optimal PUE.
- Factory pre-installation, standardized components, modular architecture, plug-and-play, facilitating rapid deployment of data services.

Model		DCH5000			
System	Cabinets number	1 - 15			
	Power grid system	Single Phase : 220Vac,50Hz, 1Ph+N+PE; Three Phase : 380Vac, 50Hz, 3Ph+N+PE			
	Ambient temperature	0-45°C			
	Protection Level	IP20			
Cabinet	Dimension (WxDxH)mm (W/O wheels)	600x1200x2000	600x1400x2000	800x1200x2000	800x1400x2000
	Display	10 inches touch screen LCD			
	Lighting	LED lighting+RGB			
	Cable entry	Up and Down			
	Access control	Fingerprint + IC card + face ID			
	Emergency cooling	Pop-up door			
PDM	Input current	63-200A			
	SPD	Class C			
UPS	Capacity	3-10kVA 20kVA-120kVA			
	Input	1P : 220Vac,50Hz,1Ph+N+PE; 3P : 380Vac, 50 Hz, 3Ph+N+PE			
	Work operation	1P/1P; 3P/1P; 3P/3P			
	Battery	Packs or cabinets			
PDU		13*IEC C3+3*IEC C9 or customized			
Cooling	Input	Connect to utility			
	Capacity	3.5-25kW			
	Installation	Rack or In-row			
	Ventilation	Back to front			
	Compressor	VF			
Monitoring		Integrated intelligent monitoring screen			
		Power monitoring(UPS, load)			
		Smoke sensor			
		Temp.and humidity sensor (option)			
		Water leakage sensor			
		Network Camera (option)			
		Infrared sensor (option)			
		SMS alarm (option)			
		Acoustic-optic alarm (option)			

