

# PRO MCA 5000 series

## Modular Data Center



### Introduction

PRO MCA 5000 is a complete self-contained modular data-center designed by KINGSTON experts to enable rapid and risk-free IT deployments. With capacities up to 15 racks, integrating cooling, UPS, power distribution, and emergency ventilation, the MCA5000 enables standardization of complete micro datacenter configurations across multiple locations.

### Application

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		PRO MCA 5000
<b>System</b>	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
<b>Cabinet</b>	Dimension (W*D*H) mm	600*L*2000 (W/O wheels)
	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
<b>PDM</b>	Input current	63-200A
	SPD	Class C
<b>UPS</b>	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
<b>PDU</b>		13*IEC C3+3*IEC C9 or customized
<b>Cooling</b>	Input	Connect to utility
	Capacity	3.5-25kW
	Installation	Rack or In-row
	Ventilation	Back to front
	Compressor	VF
<b>Monitoring</b>		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)	