

# ADVANCED LIQUID COOLING SOLUTIONS



Greater Compute  
Performance



Optimized  
Space



Better  
PUE



Lower  
OPEX



Quieter  
Operation

Ingrasys is committed to delivering cutting-edge, eco-friendly liquid cooling solutions that address the prevailing challenges in data center cooling while lowering the environmental impacts to a minimal level. As a one-stop solution provider, Ingrasys offers comprehensive solutions spanning the entire spectrum from component level to rack level. These solutions feature flexible and modular design, allowing for rapid assembly and configuration based on specific requirements.

## FEATURES



Modular Design



Integrate into Different Data Center  
Infrastructure



Hot-swappable Redundant Units



Direct to Chip Liquid Cooling



Front Access IT Equipment



Ingrasys Advanced Cooling  
Solution



LIQUID-TO-AIR SOLUTION



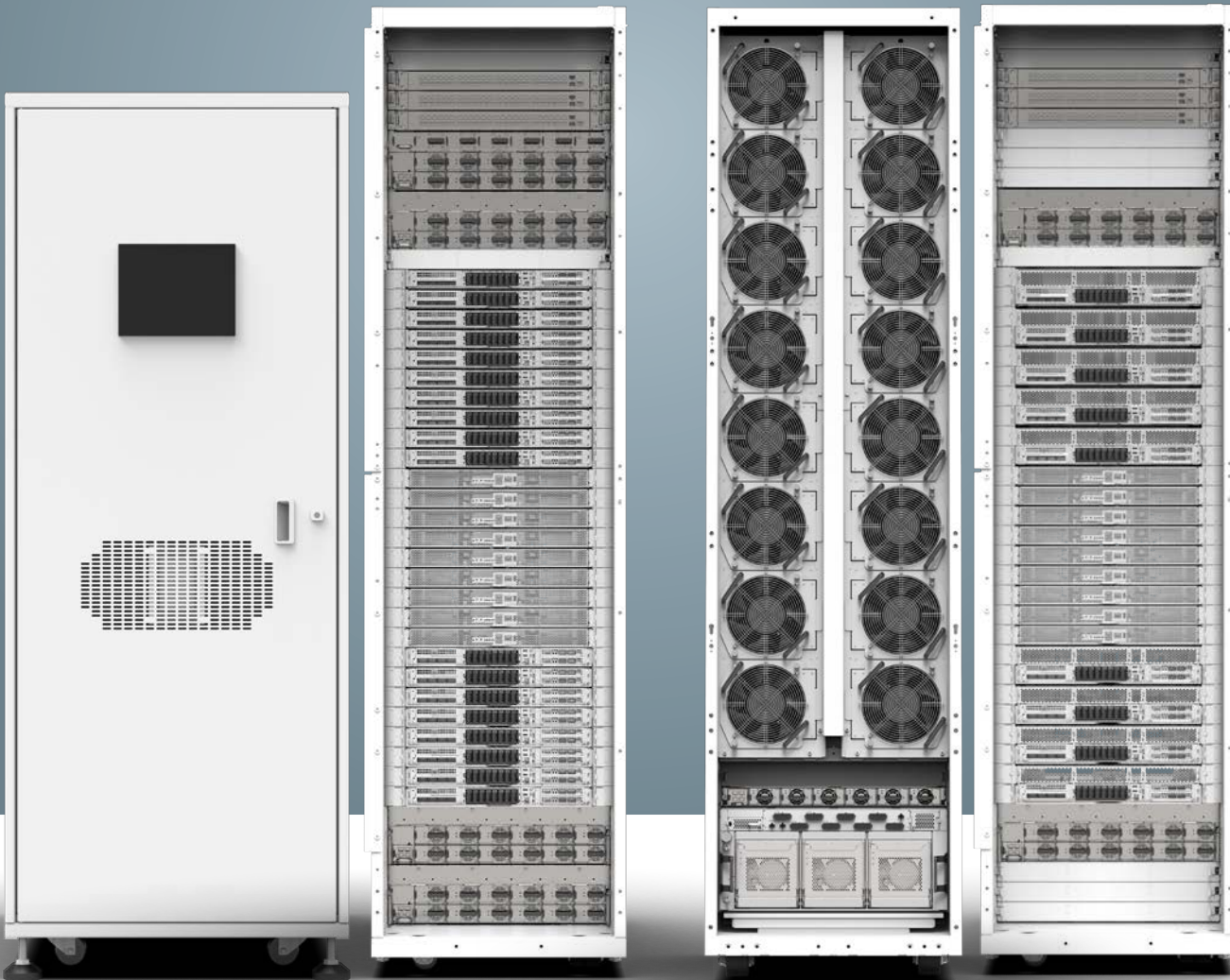
LIQUID-TO-LIQUID SOLUTION



		LA0452 All Heat to Air, No Facility Liquid	LA0703 All Heat to Air (Side Car), No Facility Liquid	LL1000 Main Heat to Facility Liquid	LL6003/LL13003 Main Heat to Facility Liquid		
Datacenter Facility	Cold/Hot-aisle	Y	Y	Y	Y	Cold/Hot-aisle	Datacenter Facility
	Facility Liquid	N	N	Y	Y	Facility Liquid	
	Power	Support 380~400V Three-phase Three-wire AC				Power	
SERVER	Type	Compliant with ORv3 IT Gear Spec	Flexible (Depending on the Connected IT Rack)	Compliant with ORv3 IT Gear Spec	Flexible (Depending on the Connected IT Rack)	Type	SERVER
	Power	Busbar	Flexible (Depending on the Connected IT Rack)	Busbar	Flexible (Depending on the Connected IT Rack)	Power	
RPU/CDU	Type	Reservoir Pumping Unit (RPU)		Coolant Distribution Unit (CDU)		Type	RPU/CDU
	Size	4RU, 19" and 21" Compatible	5RU, 21"	4RU, 19" and 21" Compatible	LL6003: 800 (W) x 1200 (D) x 2100 (H) mm LL13003: 900 (W) x 1250 (D) x 2160 (H) mm	Size	
	Hot-swap	Pump/PSU/Control Board		Pump/PSU/Control Board	Pump	Hot-swap	
	Redundancy (N+1)	Pump/PSU		Pump/PSU	Pump	Redundancy (N+1)	
COOLING	Cooling Capacity	45kW	70kW	100kW	LL6003: 600kW LL13003: 1300kW	Cooling Capacity	COOLING
	Fan (N+1, Hot-swap)	9+1	15+1	N/A	N/A	Fan (N+1, Hot-swap)	
	Manifold Interface	Blind Mate Quick Disconnection (UQD/CGD)	N/A	Blind Mate Quick Disconnection (UQD/CGD)	N/A	Manifold Interface	
	IT Rack Interface	N/A	Manual Mate Quick Disconnection (FD83/CGD)	N/A	Manual Mate Quick Disconnection (FD83/CGD)	IT Rack Interface	



# POWERFUL, SUSTAINABLE FOR NEXT-GEN AI INFRASTRUCTURE



Support 4 or more IT racks, depending on power consumption of the IT rack

Liquid-to-Liquid  
In-Row CDU Solution

Liquid-to-Air  
Side Car Solution

