



### High-Efficiency, Scalable, Rack-Based, Green Cooling Solutions for Data Centers





## Our Deployments Are in Twenty-One Countries Across the Globe











GRC immersion cooling drives mission-critical systems for these and many more organizations.

Our ICEraQ Series 10 is the result of more than a decade of experience designing powerful immersion cooling solutions. Featuring an integrated CDU, racks, and internal plumbing and control systems, the Series 10 makes cooling compute simpler and more reliable. The elegant, space-saving units offer unprecedented potential in rack density, location flexibility, and capacity planning, while also reducing the expense of building, running, and expanding a data center. With our Earth-friendly focus, the Series 10 advances sustainability through reductions in power use, carbon-footprint, e-waste, and more.

#### Features & Benefits

- Cuts cooling energy up to 90%
- Provides a pPUE of <1.03</li>
- Lowers upfront costs up to 50%
- Reduces server power draw 10-20%
- Cools up to 184 kW/rack1
- Compatible with all leading OEM servers
- Fast deployment: typically within three months

#### **Common Applications:**

- Overcome space or power constraints
- Surmount rising energy costs
- Integrate high-density racks
- Deploy capacity quickly
- Reduce data center build costs
- · Take full advantage of virtualization benefits
- Support sustainability/ESG goals

#### Includes:

- Rack(s) filled with a high-performance, synthetic ElectroSafe® fluid — selected specifically by use-case
- Coolant distribution unit (CDU)
- Assured reliability with 2N-redundant pumps and control system
- Cloud-based and local monitoring and reporting capabilities, with configurable email alerts.
- Integrated cable management
- Service bars for easy, in-rack server maintenance
- One-year limited warranty with customized support options available.







Easy To Adopt & Us









# ICEraQO Quad | Duo





Product Specifications		<i>ICEraQ</i> OQuad	<i>ICEraQ</i> O Duo	
Number of Immersion Cooled Racks		4	2	
Number of Cooling Distribution Units (CDU)		Integrated	Integrated	
Chiller-Free Water @ 32° C (89. Cooling Capacity Per Rack Density	.6°F)	200 kW 50 kW	200 kW 100 kW	
Chilled Water @ 13° C (55.4°F) Cooling Capacity Per Rack Density		368 kW 92 kW	368 kW 184 kW	
Partial PUE <sup>2</sup>		<1.03	<1.03	
Redundancy <sup>3</sup>		Coolant pumps Control system		
Overall Dimensions (I x w x h) <sup>4</sup> Series 10 Quad Series 10 Duo			(200.38" x 66.25" x 56") (115.25" x 66.25" x 56")	
Floor Loading (Operational) <sup>5</sup> Power & Water Spec	_	/m² (168 lbs/ft²) tions		
Final Heat Rejection Options	Flexible • Adiab • Dry c	e Options: patic/evaporative	cooling tower	
Water Requirements	• 5 to 3 Recircu • 21 to 3 Connection	e water input tem 32°C (41 to 89.6°F ulating water flow 30 m³/hr (50 to 15 ctions: mm (2.0") FNPT c	rate: 50 gpm)	
Power Requirements	each w • 3 Pha OR 3	ectrical feeds (prir ith the following o ise 200 to 240 VA 80 to 480 VAC, 5 power consumptio	AC, O to 60 Hz	

- Utilizing a chilled water system.

- Offizing a chilled water System.

  General specification.

  Additional redundancy options available.

  Underfloor CDU option for space constrained sites.

  Does not include weight of IT equipment and accessories.

  Warranty is void if ICEraQ units are run outside of their operating parameters defined in the installation specification.

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Compatible with All Leading OEM Servers



























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