

PIENAAR ENERGY (PTY) LTD

Data Center Rack 500kW Project Solution



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Liebert® DSE 400-500kW , Freecooling , Packaged

With a highly flexible design, the solution is available in perimeter and rooftop configurations in 400kW and 500kW capacities. The package integrates all cooling system components in a small-footprint. It ...

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High-power liquid cooling design: direct-to-chip solution requirements

In this article, we will explore assumptions and calculations for direct liquid cooling a high-power rack, comparing both single-phase and two-phase solutions and leave the reader with specific ...



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Enabling 1 MW IT racks and liquid cooling at OCP EMEA Summit

The first embodiment of this work is an AC-to-DC sidecar power rack that disaggregates power components from the IT rack. This solution improves the end-to-end efficiency by ~ 3% while

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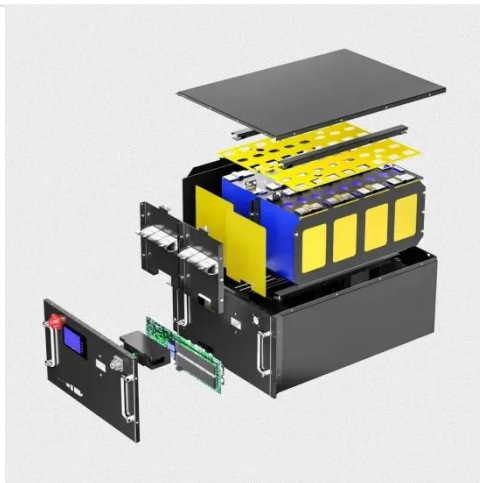
Prefabricated IT Data Hall, 500kW, 97 Racks, Perimeter CW Cooling ...

Prefabricated Modules are designed and built to precise specifications in a controlled factory environment and utilize DCIM software which results in improved reliability and a more predictably ...

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8,000+ Cycles Lifetime

IP54 Protection Degree



Google Pushes 1 MW AI Rack Power Architecture and Liquid Cooling

Google is collaborating with Meta and Microsoft under the Mt Diablo project to standardize this new high-voltage power architecture, leveraging the mature EV supply chain for scale and ...

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Hyperscalers prepare for 1MW racks at OCP EMEA; Google ...

At the OCP event in Dublin this week, all three companies reiterated that racks with AI-focused IT hardware could reach more than 500kW each before 2030, and 1MW not long after. In ...

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Pre-engineered Modular Data Center Solutions 500 1500 kW IEC ...

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Cooling, High



This Open Compute Project (OCP) standards-based rack is ideal for large-scale deployment and features a futureproof design for multigeneration and heterogeneous technology ...

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