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Large-capacity mobile energy storage containers for Asia-Pacific data centers

Overview

Why do data centres need power in Asia Pacific?

Driven by soaring demand for AI, cloud and advanced digital services, data centres across Asia Pacific are expanding rapidly – and so is their need for power. This is more than an energy challenge. It’s a connectivity challenge. Grid infrastructure needs to evolve, expanding and adapting to manage fluctuating demand and diverse energy sources.

How big is Asia/Pacific datacenter power capacity in 2024 – 2028?

SINGAPORE, 05 August 2024 – According to a recent IDC report, Asia/Pacific (Excluding Japan) Datacenter Deployment Model and Spend Forecast, 2024–2028, the Asia/Pacific* installed datacenter IT power capacity is forecasted to grow at a 5-year CAGR of 14.2% and reach 94.4GW by 2028.

How will Asia Pacific's AI-related data centre capacity grow in 2028?

Asia Pacific’s AI-related data centre capacity is expected to grow at a CAGR of 21% from 2.2 GW in 2024 to 4.8 GW in 2028. This growth is being further fuelled by the rapid expansion of the region’s public cloud services market, as organisations continue to migrate workloads to the cloud at scale.

How will Asia Pacific's Data Centres grow?

Compared to more developed markets, Asia Pacific’s data centres are expected to grow at a faster pace. Strong demand is set to continue, with major capacity expansions underway in key hubs such as Tokyo (Japan), Mumbai (India), Melbourne (Australia) and Johor (Malaysia) – collectively accounting for over 5 GW1 in planned or in-progress capacity.

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The message is clear. Solving this will take bold, collective action. Collaboration across energy, infrastructure, policy and finance is the only way to embed sustainable, reliable ...

To this end, we partnered with Donghwa ES, a South Korean based energy storage

company, to develop the Hybrid Super Capacitor (HSC) - a next generation energy storage ...

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Trina Storage has announced it has reached a significant milestone, with more than 2.4 GWh of utility-scale storage capacity currently under execution across the Asia-Pacific ...

Landmark innovation pairs high capacity with flexible transport, redefining large-scale energy storageCATL today unveiled the TENER Stack, the world's first 9MWh ultra-large ...

The Asia Pacific Data Center Energy Storage Market would witness market growth of 9.4% CAGR during the forecast period (2024-2031). The China ...

The Asia Pacific region presents substantial investment opportunities in the data center energy storage market driven by infrastructure expansion and modernization. ...

The Asia-Pacific Data Center Power Market is expected to reach USD 8.56 billion in 2025 and grow at a CAGR of 9.70% to reach ...

The Asia Pacific energy storage systems market was at USD 301.2 billion in 2024. The market is expected to grow from USD 402.4 billion in 2025 to ...

On May 7th, 2025, CATL has unveiled the world's first mass-producible 9MWh ultra-large-capacity energy storage system solution, ...

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...

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