



# Uae data center uses 30kWh photovoltaic integrated energy storage cabinet





## Overview

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26 March 2025, Dubai, UAE: The Emirates Group has joined forces with Moro Hub, a subsidiary of Digital DEWA, for co-location services at the Mohammad Bin Rashid Al Maktoum Solar Park. Moro Hub is the world's largest solar-powered data centre, as certified by the Guinness World. To achieve Moro Hub's vision, the company has selected a greener alternative to traditional brick and mortar, by deploying a prefabricated data center that can achieve substantially lower carbon footprint in the full supply chain of the data center building. Further to achieve the Green Data center. The most optimal data center solution meets today's organizational demands for sustainability, data sovereignty, and cybersecurity while delivering high performance optimized for Industry 4.0 (4IR) technologies like AI and driving ambitious projects like Smart Cities. The centre has received global recognition after being listed in the. With a world-class low-carbon information technology infrastructure powered by solar energy, the data centre supports the goal of the Dubai Clean Energy Strategy 2050 and the Dubai Net Zero Carbon Emissions Strategy 2050 to achieve 100% of its energy production capacity from clean energy sources by. The United Arab Emirates (UAE) stands at the crossroads of two defining trends of the 21st century: the exponential growth of data-driven economies and the urgent transition to sustainable energy. With its data center market projected to expand from \$1.



## Uae data center uses 30kWh photovoltaic integrated energy storage



### Moro Hub Case Study

Moro Hub, a Digital Dubai Electricity and Water Authority (DEWA) company, established its Green Data Center, powered by Intel® technology, to meet this multi-pronged demand. This data center has ...

### [Dubai launches world's largest solar-powered data centre](#)

Recognised as the world's largest solar-powered data centre by the Guinness World Records, the facility is located at the Mohammed bin Rashid Al Maktoum Solar Park, the largest ...



### [Gas Turbines Power UAE Data Centers Despite Renewable Energy ...](#)

If battery storage costs decline faster than projected and renewable additions accelerate, UAE transitions data center infrastructure toward fuller renewable integration.

### [Saeed Al Tayer reviews expansion work at the world's largest solar](#)

The centre, inaugurated in 2023 by HH Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum, Crown Prince of Dubai, Deputy Prime Minister and Minister of Defence of the UAE, and ...



### [UAE Launches World's Largest Integrated Solar & Battery Storage ...](#)

In a remarkable advancement for renewable energy, the United Arab Emirates, under the auspices of His Highness Sheikh Mohamed bin Zayed Al Nahyan, President of the UAE, has ...



### **The UAE's Data Center Boom: A Golden ...**

The UAE's push to become a regional tech hub has fueled demand for hyperscale facilities, with projects like Khazna Data Centers' ...



### [Mega clean energy projects to boost AI and data centre growth in the](#)

The UAE's \$6 billion renewable energy project will serve as a model for sustainable energy development globally and be a driver for the AI and data centre boom in the country. The ...



### [Moro Builds the MEA Largest Tier III Sustainable Data Center](#)



Powered by Huawei's breakthrough technology, it is the largest Data Centre to use 100 per cent renewable energy, helping us to take part in fortifying the UAE's sustainable development goals.



### [Maktoum bin Mohammed inaugurates second phase of Moro Hub ...](#)

Moro Hub's largest solar-powered data centre has established a global benchmark for energy efficiency and use of green technologies. The facility uses smart and eco-friendly ...

### [The UAE's Data Center Boom: A Golden Opportunity in Renewable Energy](#)

The UAE's push to become a regional tech hub has fueled demand for hyperscale facilities, with projects like Khazna Data Centers' Tier III facilities and Moro Hub's solar-powered data ...



### **Emirates Group partners with Moro Hub**

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