



NEWS RELEASE

October 2, 2023

Yamato Transport Co., Ltd.

Yawata Sales Office in Kyoto Becomes Yamato Transport's First to Launch All-EV Fleet, a Model Store for Energy Management

Utilizing electricity from renewable energy with solar power generation equipment and storage batteries

Yamato Transport Co., Ltd. (Headquarters: Chuo-ku, Tokyo; Representative Director and President: Yutaka Nagao) announces that it has begun full-scale model store operations at its Yawata Sales Office in Yawata City, Kyoto, for energy management using electricity derived from renewable energy sources.

The Yawata Sales Office is the first office in Japan to operate with an all-EV fleet. With new solar power generation equipment and storage batteries, electricity generated during the day will be used to recharge EVs and provide a portion* of the building's electricity use. In addition, the power leveling system will help to achieve sustainable logistics through energy management, including by mitigating peak power usage bias from simultaneously recharging EVs at night.

※ For the portion that cannot be covered by solar power generation, the office purchases CO₂-free electricity from the Kansai Electric Power Company, Incorporated.



Exterior view of the Yawata Sales Office

1. Background and Objectives

The Yamato Group has set the goals of virtually zero in-house greenhouse gas (GHG) emissions by 2050 and a 48% reduction in GHG emissions by 2030 (versus fiscal year 2020). To these ends, it is proceeding with a range of initiatives, centered on the introduction of 20,000 electric vehicles and 810 solar power generation facilities, reduction of dry ice use to zero, and other key measures to increase the use of electricity from renewable sources to 70% of total use.

On the other hand, the introduction of EVs posed various challenges, such as increased electricity consumption and a bias toward electricity usage peaks due to simultaneous nighttime recharging. Now, the Yawata Sales Office has established an all-EV vehicle fleet, and the office has begun full-scale energy management operation, utilizing storage batteries and the Kansai Electric Power Group's power leveling system. This will help solve issues related to the introduction of EVs, such as alleviating peak electricity usage bias from simultaneously charging EVs at night, and will also contribute to the realization of sustainable logistics.

2. Sales Office Overview

- (1) Sales office name: Yamato Transport Co., Ltd. Yawata Sales Office
- (2) Address: 11 Yawata Kubota, Yawata City, Kyoto, Japan
- (3) Hours of operation: 8:00 a.m. to 9:00 p.m.

3. Yawata Sales Office Features

- (1) All 32 collection and delivery vehicles are EVs.
- (2) Solar power generation equipment has been installed to generate renewable electricity.
- (3) A power leveling system has been installed, controlling charging to mitigate peak power usage bias.
- (4) Storage batteries have been installed to utilize the power generated by the solar power generation system during the daytime for building power, EV recharging, and other purposes.
- (5) All lighting fixtures utilize LEDs to save energy.



EVs used for pickup and delivery operations



Rooftop solar panels



Solar power generation status monitor



EV charging status monitor



Storage batteries



LED lighting (installed in all fixtures)

4. Looking Ahead

To realize sustainable logistics, Yamato Group will continue to introduce EVs and solar power generation equipment, improve the usage rate of renewable energy electricity, and verify energy management assuming operations with multiple EVs to strengthen sustainable management.

Contact

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Reference

Kansai Electric Power Group, "Pitatto Charge" AI-Powered Automatic Recharging System for Commercial EVs: Service Page (Japanese only)

<http://www.kenes.jp/kenestation/service/charge/>

New eCanter Small-sized Electric Trucks to be Introduced Across Japan (September 19, 2023)

https://www.yamato-hd.co.jp/news/2023/newsrelease_20230912_1.html

Specific Reduction Targets for 2030 Toward Virtually Zero Greenhouse Gas Emissions in 2050 (May 10, 2022)

https://www.yamato-hd.co.jp/news/2022/newsrelease_20220510_1.html