

VERDO Finalizes Solar-Powered Scooter Rollout and Low-Carbon Hardware Lineup

NEW YORK, NY, UNITED STATES, August 7, 2026 /EINPresswire.com/ -- [VERDO](#), an urban micromobility operator, has unveiled the latest milestones of its new energy mobility strategy. The company has completed the overall research and design of its first batch of self-developed solar-powered shared electric scooters, and is currently advancing prototype calibration, mass production preparation and pre-launch arrangements. Leveraging a mature global hardware supply chain procurement system, VERDO selects top-tier global vehicle manufacturers to deliver custom-built vehicles, steadily pushing forward the launch plan for its new photovoltaic energy-storage mobility vehicles.

Drawing on years of experience operating shared urban mobility services, VERDO has independently developed the complete technical blueprint for its solar scooters, with focused R&D breakthroughs in three core areas: integrated photovoltaic body structure, solar energy adaptation for outdoor endurance, and heavy-duty durability architecture tailored for shared fleets. For vehicle manufacturing, VERDO collaborates with leading global producers of short-distance mobility devices via standardized procurement arrangements. Manufacturers build vehicles strictly in accordance with VERDO's proprietary technical specifications and low-carbon hardware criteria, forming a flexible global supply chain to support the company's long-term expansion of low-carbon fleets across numerous North American cities. VERDO ID unified account system, VDO Mobility front-end service platform and VDO Pro fleet management backend have all undergone pre-adaptation testing, enabling seamless end-to-end operational management once the solar scooters go live.

VERDO

Partners With Top Mobility Manufacturers

Driving collaborative technology R&D to advance its sustainable urban mobility ecosystem.

SPEEDY SNAIL MOBILITY **SEGWAY**

VERDO

Solar-Powered Shared Mobility

VERDO's self-developed solar-powered scooters

PV recharging to boost fleet efficiency, set to launch in North America in 2027.

2027

VERDO's self-developed solar scooters feature comprehensive technical upgrades that address persistent pain points plaguing the traditional shared micromobility sector:

Built-in integrated photovoltaic panels harvest natural daylight to continuously replenish power throughout the day. This drastically cuts the frequency of manual battery swapping and centralized charging, slashing routine fleet maintenance overhead while greatly boosting the vehicles' all-day availability to riders.

A custom-built intelligent energy management system regulates battery charging and discharging cycles scientifically, extending the service life of power batteries and reducing electronic waste from discarded batteries, which strongly advances the circular economy goals of modern cities.

The auxiliary solar power system enhances the stability of the vehicle's electrical circuitry, enabling reliable operation amid variable weather conditions and complex urban road surfaces — perfectly suited for shared vehicles operating outdoors around the clock. Additionally, the vehicles deliver drastically lower lifecycle carbon emissions, fully aligning with carbon neutrality and green public transportation policies adopted by metropolitan areas across North America.

Senior executives at VERDO disclosed that following multiple rounds of prototype testing, urban scenario verification and pre-launch preparations, the brand's inaugural lineup of self-developed solar-powered shared scooters is scheduled to officially launch across major North American cities in 2027. Upon launch, the new vehicles will be fully integrated into VERDO's comprehensive public mobility network. Real-time access to energy consumption data, intelligent scheduling logs and maintenance records will be available via the cloud backend, facilitating regular supervision by municipal transportation authorities and enabling refined, digital fleet operations for VERDO.

The commercial launch of self-developed solar mobility vehicles marks a core milestone in VERDO's sustainable low-carbon mobility strategy. By integrating renewable energy technology into last-mile urban transportation hardware, the enterprise aims to revamp operational frameworks and low-carbon development pathways for the global micromobility industry, striving to build an efficient, eco-friendly and enduring ecosystem for short-distance urban travel.

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