

Sono Motors Debuts at IAA Transportation With Four Solar Trailer Premieres

September 19, 2022

- **In Hall 26, Booth C02, Visitors Can Experience Sono Motors' Complete Range of Solar Technology for Its Three Key Industries - Buses, Electric Transporters as Well as Refrigerated Vehicles**
- **Sono Motors Debuts at IAA Transportation With Four Solar Trailer Premieres In Collaboration With CHEREAU, KÖGEL, MTTE (Mitsubishi subsidiary) And Wingliner**
- **The Scalable Retrofit Solution "Solar Bus Kit" Is Shown to the Industry for the First Time in Hanover**

MUNICH, Germany, 19 September 2022 – Sono Motors, the Munich-based solar mobility OEM, will attend IAA Transportation, the world's most important platform for the future of the commercial vehicle industry, for the first time.

In hall 26, booth C02, Sono Motors will display its complete range of technology and solutions for its three key industries - buses, electric transporters and refrigerated vehicles. The company's innovative solar technology has been engineered to enable seamless integration into a variety of vehicle architectures and even curved surfaces like a bus roof shoulder for example. For cargo box type vehicles Sono Motors is developing flexible and light-weight sandwich panel body parts that ensure seamless integration and optimal heat-distribution. For the first time at a public event, Sono Motors also presents the in-house developed solar charge controller, the MCU (MPPT Central Unit). The MCU has an intelligent algorithm that optimizes the PV modules' energy yields.

The refrigerated trailers from CHEREAU, KÖGEL and MTTE feature customized vehicle-applied solar solutions that help to partially cover the trailers' energy and refrigeration needs with renewable energy. Full solar integration on the roof and sides of a 40t semi-truck trailer is expected to cover up to 50% of the cooling units' yearly average energy needs. A fourth solar trailer with foldable hydraulic side walls for the Austrian trailer manufacturer Wingliner was built specifically for IAA and will later be transformed into a functional vehicle.

Solar Bus Kit: The Retrofit Solution For Bus Fleets

The Solar Bus Kit is a complete and efficient retrofit solution, optimized for the most common 12-meter public transport bus types on the European market, including the Mercedes-Benz Citaro and MAN Lion's City. Sono Motors' new product underscores the move from prototype projects to a scalable solution contributing to climate protection and the reduction of inner-city greenhouse gas emissions.

The Kit allows subsystems, such as heating, ventilation, and air conditioning (HVAC), to be partially powered by renewable energy, thereby saving fuel, CO₂, and costs. It can save up to 1,500 liters of diesel and up to 4 tonnes of CO₂ per bus per year from the approximately 1.4 kW peak installation with about 8 sqm of solar panels. Bus fleet operators stand to see a potential payback time of approximately 3-4 years, depending on days in operation and fuel prices.

"Decision-makers in municipalities and transport companies are under huge pressure to make their fleets emission-free. In addition, they are facing steeply rising energy prices. Therefore, the Solar Bus Kit is the ideal solution to accelerate the transition towards zero-emission vehicles already today," concludes Lars Löhle, Head of Product Sono Solar.

From 20 to 23 September, the Sono Solar team will also present the Solar Bus Kit and its bus solutions at Innotrans in Berlin, the leading international trade fair for transport technology.

The solar trailer premieres in detail

1. CHEREAU (40t semi-truck trailer, refrigerated)

- total power installed: 9.8 kilowatt peak
- no. modules: 54
- solar area: ~ 58.9 m² solar area (roof plus sides)
- type of cooling unit: Daikin electric cooling unit
- energy earnings: 21.2 kWh/day yearly average in Munich
- location: Daikin booth, hall 27, C17

2. Kögel (40t semi-truck trailer, refrigerated)

- total power installed: 4.68 kilowatt peak
- no. modules: 26
- solar area: ~26 m² solar area (roof only)
- type of cooling unit: Vector HE 19 (Carrier) - all electric cooling unit
- energy earnings: 11.8 kWh/day yearly average in Munich
- location: open air space, S17

3. Mitsubishi Heavy Industries Thermal Transport Europe GmbH (40t semi-truck trailer, refrigerated)

- total power installed: 4.68 kilowatt peak

- no. modules: 26
- solar area: ~26 m² solar area (roof only)
- type of cooling unit: MITSUBISHI TFV150
- energy earnings: 11.8 kWh/day yearly average in Munich
- location: open air space, T25

4. Wingliner (show trailer)

- total power installed: 3.43kWp
- no. modules: 16
- solar area: ~25 m² solar area (roof only)
- energy earnings: 8.6 kWh/day yearly average in Munich
- location: open air space, R57

FORWARD-LOOKING STATEMENTS

This press release includes forward-looking statements. The words "expect", "anticipate", "intend", "plan", "estimate", "aim", "forecast", "project", "target", "will" and similar expressions (or their negative) identify certain of these forward-looking statements. These forward-looking statements are statements regarding the Company's intentions, beliefs, or current expectations. Forward-looking statements involve inherent known and unknown risks, uncertainties, and contingencies because they relate to events and depend on circumstances that may or may not occur in the future and may cause the actual results, performance, or achievements of the Company to be materially different from those expressed or implied by such forward looking statements. These risks, uncertainties and assumptions include, but are not limited to (i) the impact of the global COVID-19 pandemic on the global economy, our industry and markets as well as our business, (ii) risks related to our limited operating history, the rollout of our business and the timing of expected business milestones including our ability to complete the engineering of our vehicles and start of production on time and budget and risks related to future results of operation, (iii) risks related to our unproven ability to develop and produce vehicles and with expected or advertised specifications including range, and risks relating to required funding, (iv) risks related to our ability to monetize our solar technology, (v) risks relating to the uncertainty of the projected financial information with respect to our business including the conversion of reservations into binding orders, (vi) effects of competition and the pace and depth of electric vehicle adoption generally and our vehicles in particular on our future business and (vii) changes in regulatory requirements, governmental incentives and fuel and energy prices. For additional information concerning some of the risks, uncertainties and assumptions that could affect our forward-looking statements, please refer to the Company's filings with the U.S. Securities and Exchange Commission ("SEC"), which are accessible on the SEC's website at www.sec.gov and on our website at ir.sonomotors.com. Many of these risks and uncertainties relate to factors that are beyond the Company's ability to control or estimate precisely, such as the actions of regulators and other factors. Readers should therefore not place undue reliance on these statements, particularly not in connection with any contract or investment decision. Except as required by law, the company assumes no obligation to update any such forward-looking statements.