

NEWS RELEASE

Sensata Technologies' High Voltage Distribution Units Enabling Megawatt Charging in Production on Heavy-Duty Electric Trucks

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- Sensata's High Voltage Distribution Units (HVDUs) enable megawatt charging on heavy electric trucks and are now on vehicles in production.
- Sensata's HVDUs offer technically differentiated and space-optimized solutions that integrate in-house produced high-voltage components such as fuses, contactors, Electric Vehicle Charge Controllers (EVCCs), Insulation Monitoring Devices (IMD), current sensors, and control electronics as well as in-house developed systems including liquid cooling, IP-rated enclosures, optimized busbars and wiring.
- Sensata will showcase its HVDUs at the upcoming Advanced Clean Transportation (ACT) Expo in booth 6811 from April 28-30 in Anaheim, California.

SWINDON, United Kingdom--(BUSINESS WIRE)-- **Sensata Technologies** (NYSE: ST), today announced that its High Voltage Distribution Units that enable megawatt charging on heavy electric trucks are now on vehicles in serial production.

Sensata provides high voltage distribution units (HVDUs) with megawatt charging functions designed to enhance the safety, efficiency and performance of next-generation electric trucks.

Sensata provides high voltage distribution units (HVDUs) with megawatt charging functions designed to enhance the safety,

efficiency and performance of leading manufacturers' next-generation electric trucks. Sensata's **HVDU product family** consists of Power Distribution Units (PDU), Charge Units (CU), and Charge PDUs (CPDU), which combine the charging and power distribution functions. They are custom designed for managing electrical power in heavy duty electric commercial vehicles and efficiently distribute power to the battery under charging and from the battery to

various vehicle systems during operation.

As global regulations put pressure on truck manufacturers to reduce greenhouse gas emissions of fleets over the next decade, leading truck OEMs are producing their next generation of battery electric vehicles to meet customer demands for megawatt charging.

Electrified heavy vehicles require large batteries, up to 1 megawatt hour (MWh), and aim to reach charge rates of up to 3 megawatts (MW); the high-power levels presenting challenging requirements for critical supporting systems.

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These units feature innovative thermal management solutions, robust power distribution capabilities and enhanced safety features to meet the demanding requirements of heavy vehicle applications. The HVDUs are designed to operate efficiently under high electrical loads and harsh environmental conditions, ensuring reliable performance and longevity.

"Our high voltage distribution units will play a crucial role in advancing the electrification of heavy vehicles, and we are proud to contribute to a more sustainable future on leading manufacturer's next-generation trucks," said **Mark McBrine, Product Line Owner – Electrification**.

"The use of our megawatt charging solutions on electric trucks in production represents a significant milestone for Sensata's electrification portfolio and highlights our commitment to innovation and to solving our customers' toughest challenges," shared **Brian Wilkie, Executive Vice President, Performance Sensing, Vehicle Business**.

Sensata's High Voltage Distribution Units will be showcased at the upcoming Advanced Clean Transportation (ACT) Expo in booth 6811 from April 28-30 in Anaheim, California.

Visit www2.sensata.com/hvdu-mwc to learn more.

About Sensata Technologies

Sensata Technologies is a global industrial technology company striving to create a safer, cleaner, more efficient and electrified world. Through its broad portfolio of mission-critical sensors, electrical protection components and

sensor-rich solutions, Sensata helps its customers address increasingly complex engineering and operating performance requirements. With more than 18,000 employees and global operations in 14 countries, Sensata serves customers in the automotive, heavy vehicle & off-road, industrial, and aerospace markets. Learn more at www.sensata.com and follow Sensata on **LinkedIn, Facebook, X** and **Instagram**.

Investor Contact:

James Entwistle

+1 (508) 954-1561

jentwistle@sensata.com

Media Contact:

Leila Beardsmore

+1 (805) 452-2165

leila.beardsmore@sensata.com

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