What happened to tesla semi truck



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Update (September 2, 2024): 'Large order book' sub-section of 'Production' updated and 'Tesla Semi in Europe' added.

Tesla has revolutionized the global electric mobility movement with its quirky and efficient passenger vehicles. In November 2017, Tesla co-founder and CEO Elon Musk announced plans to enter the commercial transport industry with the Tesla Semi electric truck. On December 1, 2022, after many hiccups and delays, Tesla finally kicked off deliveries of the Semi in the United States.

The Semi is not just any truck; it's a zero-emissions freight-hauling cargo machine that trumps traditional oil guzzlers on all fronts like range, economy, operational costs, and performance. Here's everything we know about the Tesla Semi as of today:

There's a unique cab construction for the Tesla Semi and arguably the cleanest design we have seen on a truck. It appears as if it belongs to the future. There's a massive wraparound glass area upfront that slopes into the frunk. The glass area is so large, that its panels extend to the doors. Tesla dropped door mirrors on the Semi for aerodynamic benefits. Instead, cameras positioned at the extreme rear send a feed to the interior screens. However, it's not carrying that feature into production, as seen in the new official pictures used in this story.

Musk made significant claims about the aerodynamic capabilities of the Tesla Semi, explaining its smooth surfacing and clean overall design.

The truck is designed like a bullet. The Tesla Semi has a 0.36 drag coefficient. Better than the Bugatti Chiron, which has a 0.38 coefficient of drag. The aerodynamics help it achieve an incredible range.

Most pictures we have seen of the Tesla Semi consist of the trucks finished in an all-white or silver shade. Not the least bit drab, but within expectations. However, Frito-Lay has been using its Semi in and around California, and its paint scheme is anything but ordinary. Video footage of these big boys driving around Modesto, California, has cropped up on the Tesla Owners Silicon Valley Twitter page.

Painted in the brand's popular bright red and yellow livery, these trucks sport an enlarged "Frito-Lay" font printed at the front, just above the massive windscreen. There's more company branding printed just aft of the driver's cab area, while the company's famous Chester Cheetah mascot has been painted onto the trailer for increased visibility.

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Then we have footage posted by Reddit user Tutrifor, showing a PepsiCo-branded Semi where we can see the Pepsi logo at the front, with a couple more presented on either side of the main cab. The livery comprises the company"s easily recognizable hues of blue. The trailer also sports shades of blue, plus some "feel-good" slogans on each side to really drive home the point of these massive electric vehicles. Both of these Tesla Semis are eye-catching, to say the least.

The Tesla Semi has a Day Cab that usually allows a shorter and lighter body compared to a Sleeper Cab, leading to lower energy consumption. In a Jay Leno's Garage episode (via) that premiered on October 2, 2023, Dan Priestley, Senior Manager - Semi Truck Engineering, Tesla, said that Tesla will release a Semi with a sleeper cab when it expands the charging network.

Tesla has launched the Semi with a tri-motor powertrain. A quad-motor powertrain option will likely become available later. Reports say the Semi's battery pack, positioned under the cabin floor, has an energy storage capacity of 850-1,000 kWh, enough to power ten units of Tesla Model X! Tesla typically doesn't disclose the battery pack capacity of its EVs, and it's the same case with the Semi.

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