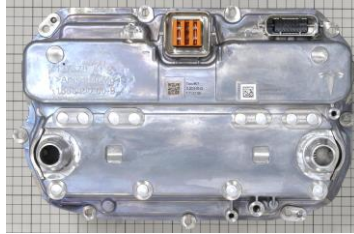


Inverter mounted in CYBERTRUCK Teardown report



CYBERTRUCK(from web information)

Reference:

<https://hypebeast.com/jp/2022/7/cybertruck-delivery-mid-2023-date-news-info>

Inverter

Overview

CYBERTRUCK was announced by TESLA in November 2019.

The price of the vehicle is approximately \$70,000 for the rear-wheel drive model and \$100,000 for the highest performance version, the “Cyberbeast”. This vehicle has attracted attention because of its unique appearance, but as the latest model of TESLA various new technologies have been adopted.

This report is a teardown report of the REAR inverter on the RWD model.

Product features

- Size: (W)324mm x (L)213mm x (H)135mm Weight: 4.6kg
- Water cooling unit
- Changes from the inverter mounted on Model Y include larger smoothing capacitors, a new gate driver IC, and a new boost transformer structure to accommodate the increased system voltage (800V). This report clarifies the above changes.

Report Contents (26 pages)

- Teardown process (Comments on fasteners, materials, etc.)
- Components measurement (size & weight)
- Identify key ICs and components including datasheet when we find it.
- Main path connection
- Comparison with Model Y (Product overview, PCB)

Report price

Delivered one week after order placement

Please contact us for report pricing.

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