

Inverter : Valeo Mercedes-Benz EQS(2023)Front equipped Teardown Report



Product Overview



Internal Overview

Report overview

The Mercedes-Benz EQS is the flagship EV sedan of the EQ series. It is based on Mercedes-Benz's first dedicated EV platform, the EVA2, and combines excellent aerodynamic performance with a high level of comfort. In addition to advanced digital features, including the MBUX Hyperscreen, the EQS is equipped with a large-capacity 118 kWh battery and supports V2H/V2L functionality. It delivers a driving range of more than 700 km and a maximum output of 484 kW for the standard model, providing powerful performance. Advanced safety features are also a key characteristic of the vehicle. This report presents a teardown analysis of the Valeo front inverter installed in the Mercedes-Benz EQS (AWD).

Product Features

- Mercedes-Benz EQS Inverter
 Dimensions: 337 × 297 × 127 mm
 Weight: 8.71 kg
 Maximum Motor Output: 484 kW
 Battery Voltage: 396 V
- Number of installed PCBs: 3
 Number of Components on Control PCB: 1,350
 Number of Components on Filter PCB: 90
 Number of Components on Driver PCB: 637

Report contents

Teardown Report (Disassembly Process + Major Component Analysis)

- Product disassembly, including measurement of the weight and dimensions of each component
- Identification and analysis of major components and main circuit connections

Report price

Delivered one week after order placement. Please contact us for report pricing.

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