



2018 Tesla Model 3



2019 Nissan Leaf



2019 Audi e-tron



2019 Jaguar I-PACE



2020 Tesla Model Y - Front & Rear



# **Inverter Benchmark & Cost Report**

\$24,000 USD

(Model 3 & Nissan Leaf)

Munro's Inverter Report provides a detailed analysis of Battery Electric Vehicles (BEV) inverters.

The Benchmark Report is highly advantageous for OEMs or suppliers looking to effectively expand and compete in new EV markets.

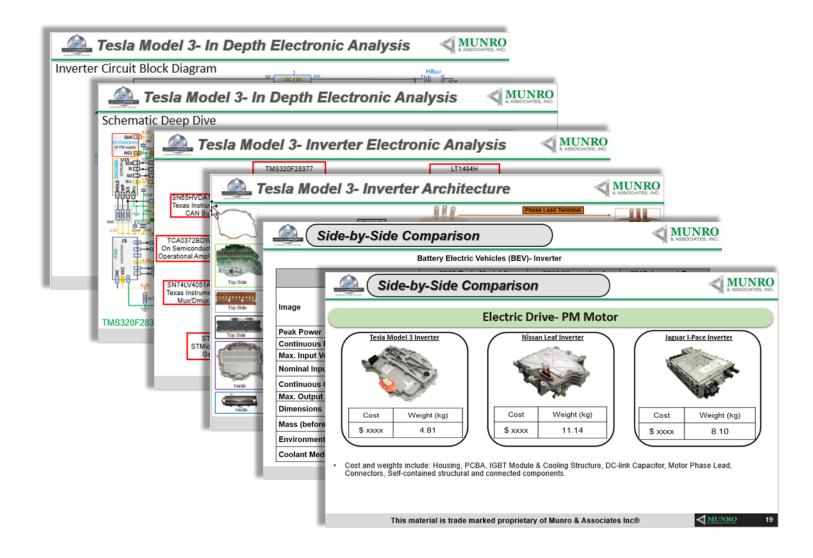
The report is a comprehensive analysis of each Inverter. This report contains descriptive and pictorial detail on every facet of the inverters dimensional data, manufacturing process, schematics, block diagrams and detailed cost analysis.





# **Inverter Benchmark Report Content**

- Those who purchase the report will receive a single report containing:
  - a. Executive Summary
  - b. Side by Side Summary
  - c. Inverter views, dimensions, mounting approach, cooling strategy
  - d. PCB circuit diagrams, schematics and block diagrams
  - e. PCB bill of material
  - f. Costed Bill of Material

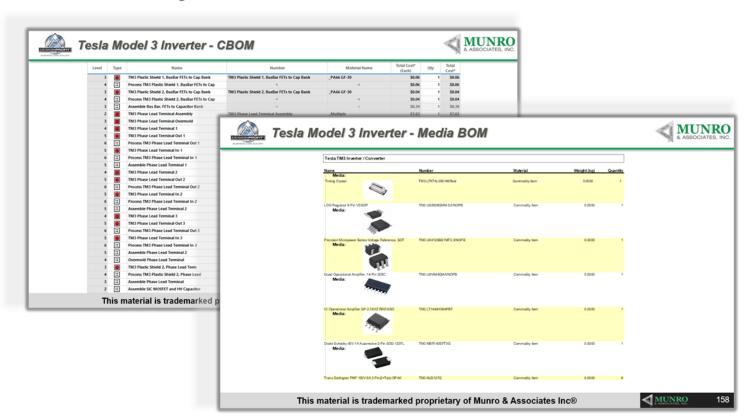






### **Inverter Costed Bill of Material**

- The costed bill of materials (CBOM) are a consolidated view of the cost information presented in the reports. A CBOM report is included for each inverter analyzed in PDF format.
- The CBOM and media BOM are an indented format and include:
  - Part Name
  - Part Number
  - Material
  - Total Cost
  - Weight
  - Quantity
  - Total Weight



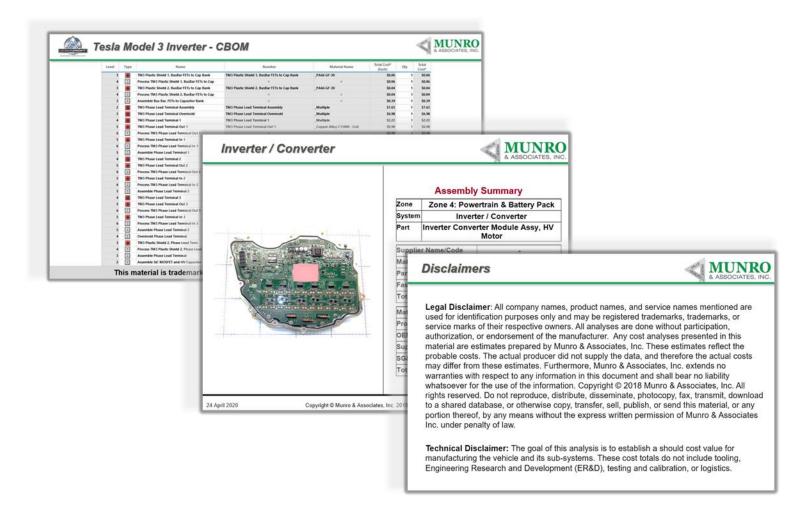
**Please Note:** The costed bill of material is provided in pictorial / PDF format and will not be available in Excel.





#### **Cost Estimates**

- The costs of the inverters include the housings and the internal electrical componentry. Munro used their proprietary software and methodologies to establish a should cost to manufacture the various parts found in each inverter.
- Cost models are established by disassembling and analyzing the inverter assemblies. The components are documented in detail, capturing the assembly operations and weight. Costs are assigned to materials, purchased parts, and processes.
- All the inverters are costed with the USA as the country of origin.







# **FAQ (Frequently Asked Questions)**

- Were Manufactures involved in the study?
  No, OEM or Supplier proprietary information or costs were used in this study.
- ❖ Is there any OEM or Tier One propriety (stolen) IP in this report?
  No. All data was developed through Munro's proven methodologies from the purchased production components.
- Are the inverters costed using only NAFTA costing centers?
  Yes, Munro includes labor, factory floor cost, taxes and SG&A for OEM or Tier Suppliers.
- Is this a Costing or Pricing report?
  This is a Costing Report. Pricing has too many variables.

## **Legal Disclaimers & Sales Condition**

- How can I see the sample report before purchasing?
  Please contact your regional Munro salesperson. They can provide sample information in digital PDF format NOTE: critical data will be hidden in the sample.
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- If there is a request for someone from Munro to visit and to explain in detail the report, is It possible to do or is it included in the price of report?
  No, it is not included in the price of report. The client can visit Munro or Munro will visit if the customer pays for the daily fee and travel as required.