Introducing TM4 CO150 motor controller / inverter designed for electric and hybrid vehicles. This inverter utilizes the latest technology of automotive grade insulated-gate bipolar transistors (IGBT) to deliver the industry’s highest specific power and current densities. It is embedded with advanced control algorithms for optimal power module usage and efficiency. Combining hardware and software innovations, the Reflex™ gate driver technology anticipates a voltage peak on the IGBT, and it ensures that it never reaches the voltage limit. This new feature is an active mechanism that uses the stray inductance of the IGBT to control the current during the turn-off process, without slowing down the rate of voltage change.

**KEY FEATURES**
- High power & current densities
- Reflex™ gate driver technology
- Compatible with third party PM motors

**APPLICATIONS**
- Electric & hybrid vehicle motorization
- Motor / generator control
- Variable frequency DC-AC converter

www.tm4.com
INVERTER FEATURES

SOFTWARE FEATURES

HARDWARE FEATURES

- High power and current densities
- Uses Reflex™ gate driver technology
- Multiple resolver/encoder compatibility
- Multiple terminal options
- High efficiency
- Variable switching frequency

OTHER

- The CO150 is also offered as a auxiliary inverter

SPECIFICATIONS

<table>
<thead>
<tr>
<th>INVERTER</th>
<th>Max electrical output power</th>
<th>Max output current</th>
<th>Max blocked rotor current</th>
<th>Max electrical frequency</th>
<th>Performance voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>CO150</td>
<td>150 kW¹</td>
<td>575 Arms</td>
<td>650 Acd</td>
<td>1.25 kHz</td>
<td>320-450 Vdc</td>
</tr>
<tr>
<td>CO150HV</td>
<td>170 kW²</td>
<td>350 Arms</td>
<td>375 Acd</td>
<td>750 Hz</td>
<td>500-750 Vdc</td>
</tr>
</tbody>
</table>

Specifications are subject to change
¹ 450 Vdc, 30 seconds, 65°C
² 750 Vdc, 30 seconds, 65°C

MULTI-PHASE OPTION

TM4 also offers its CO200 6 phase and CO300 9 phase inverters as an alternative for high power electric & hybrid vehicle motor / generator control needs.

DIMENSIONS

11 kg

COORDINATES

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