Introducing the CO150-HVF for auxiliary power supply in commercial vehicle applications. Based on the same platform as the proven CO150 traction inverters, the CO150-HVF offers a CAN-based interface that allows to dynamically control the frequency and output voltage for electric vehicle accessory applications (i.e. pumps, fans or compressors) for use with a 3-phase AC induction motor. This feature opens the door to the use of variable speed accessories and reduces the average consumption of auxiliaries. In addition, several information available on the CAN allow to know the status of the inverter and its load, therefore enabling advanced control functions. This compact system is the ideal power source for your vehicles’ AC powered devices.

**Applications**

Conversion of traction battery voltage into standard AC power for:

- Asynchronous motors
- Heaters
- A/C
- Lightning & more

**Key features**

- Configurable voltage and frequency
- 3-phase output
- High efficiency
- Uses proven CO150 motor controller platform
INVERTER FEATURES

HARDWARE FEATURES
- High power and current densities
- Uses Reflex™ gate driver technology
- Configurable voltage and frequency 3-phase output
- High efficiency (97.5%)
- Uses proven CO150 motor controller platform
- CAN communication

SOFTWARE FEATURES
- Temperature sensing for system protection
- Advanced diagnostic capabilities (TM4 ODIN)
  Switching fault detection
- Client configurable parameters
  - AC V/f ratio
  - AC current limit
  - DC voltage limits
  - Load parameters
- Dynamic control over CAN
  - Soft start/stop
  - AC frequency (open loop speed control of AC motors)
  - Field rotation direction

SPECIFICATIONS

<table>
<thead>
<tr>
<th>INVERTER</th>
<th>Max electrical output power</th>
<th>Max output current</th>
<th>Operating battery voltage</th>
<th>Output frequency</th>
<th>Auxiliary supply voltage (nominal)</th>
<th>Max switching frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>CO150-HVF</td>
<td>116 kVA¹</td>
<td>0-200 Arms</td>
<td>300-750 Vdc</td>
<td>0-500 Hz</td>
<td>12-24 Vdc</td>
<td>16 KHZ</td>
</tr>
</tbody>
</table>

Specifications are subject to change
¹ 500 Vdc, 30 seconds, 65°C

CONTACT

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