



CM350 INVERTER

CM350DZ



CM350SiC



FEATURES

- 4 (0-5V) Analog Inputs
- 2 RTD inputs PT100/1000
- 4 Digital Inputs 4-STG
- 2 High Side Relay Driver Outputs
- 2 Low Side Relay Driver Outputs
- Resolver Interface
- Sin-Cos Encoder Interface (Available in the -SP model for DZ)
- CAN 2.0A/B Port 125kb-1Mb adjustable rate and offset
- RS232 Programming and Diagnostic
- LIN Communication Capable⁴
- Integrated DC-Link EMI Filter
- Variable PWM Rate
- HVIL, plug in connections
- Internal EMI filter

CM350
DC Voltage – operating
Maximum DC Voltage – non operating
Motor Current Continuous ²
Motor Current Peak ¹
Output Power Peak (elect) ¹
DC Bus Capacitance
Weight
Size
Volume
Active Discharge via motor winding to <50V
Passive Discharge (internal resistor) to <50V
Vehicle System Power
Inverter PWM Frequency
Operating Temperature Range – ambient
Operating Temperature Range – coolant water
Coolant Flow Rate @ 45°C
Coolant Pressure Drop (45°C coolant / 24 LPM)
Maximum Coolant Pressure (absolute)
Compatible Conductor Sizes

DZ	SiC	Units
200-850	200-850	VDC
900	900	VDC
500	500	Arms
720	900	Arms
440+	500+	kW
510	700	µF
17.4	14	kg
358 x 299 x 99	378 x 358 x 105	mm
10.6	14	L
< 2	< 3 ³	sec
< 120	< 120	sec
12 / 24	12 / 24	VDC
6 - 16	6 - 16	kHz
-40 - +85	-40 - +85	°C
-40 - +85 (derate @ 45°C)	-40 - +85 (derate @ 45°C)	°C
24	24	LPM
4.3	8	psi
45	45	psia
70, 95, 120	70, 95, 120	mm ²

Ratings subject to change without notice—consult factory

¹ Peak current is defined as a maximum of 30 seconds.

² At 45°C Coolant.

³ Internal Circuit for fault tolerant coverage.

⁴ Additional factory customized SW is needed .

