



20KW-INV

Universal 20KW Automotive Hybrid Inverter

Provides: Start/Stop, regenerative braking, powerful boost, electric driving, and torque assist when used with Trimerics E-motor

	Standard	Optional	
CAN Bus	•		1x High Speed CAN : up to 1Mbit / s
350 VDC Input Voltage	•		200-400V Range
6 Phase PWM Inverter	•		6-pack IGBT's with active current sensing 8Khz nominal Switching Frequency
Serial Interface	•		1 Serial RS-232 for application debugging
Drives 3-Phase DC E-Motor	•	•	Custom Trimerics E-Motor design www.trimerics.com
Temperature Sensors Inputs	•		6 NTC Analog Type Inputs
Hall Sensor Inputs	•		8 Channel Inductive Type sensors
Liquid Cooling System	•		8 l/min (50/50 water/glycol mix) Maximum inlet temp of coolant 55C
Custom Design Application Software		•	Basic Development System Available with custom application library and OS.
Flexiable DSP/Based Design	•		12Volt Operation for digital core 400Volt Operation for power stage -40 to 85C Temp. Range Digital Core 270 x 192 x 90 mm Aprox. 10Kg

Contact Information

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Disclaimer: Application and environmental data must be verified by end user/customer.

Si-Gate GmbH shall not be held liable for any improper usage.

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