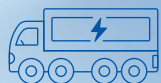


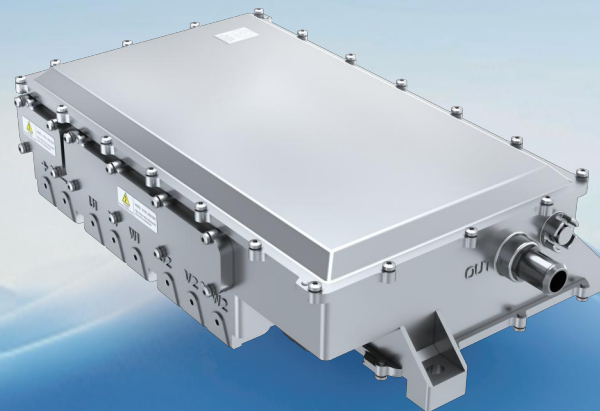


EV Motor Controller IFL550-8L10-280

Single MCU



Heavy Truck



This product is an 800V dual MCU solution, which is mainly developed catering to the heavy truck market. The product is characterized by its high protection level, high cost performance, small size, high reliability, high power density, safety and stability, which can meet the needs of electric drive axle solutions for heavy truck.



High Integration & Performance

- 70% smaller than similar products on the market
- Modular design, easy maintenance and replacement of accessories
- High power density



High Safety & Reliability

- Complete fault protection mechanism (adhesion detection, HVIL)
- EMC load CLASS 3
- Anti-vibration level up to 10G
- Functional safety level ASIL C



Net Communication

- High-speed CAN network
- Bootloader, OTA and UDS supported
- Network management optional



Technical Specification

Function		MCU	
Application		Heavy Truck	
MCU	Input	High Voltage	560~950 VDC, Rated DC Voltage 800VDC
		Low Voltage	6~32VDC, 6~9V supports communication capabilities, and above 9V supports full functionality
	Output	Power	Rated 140kVA+140kVA, Peak 280kVA+280kVA
		Voltage	0~Input Voltage*0.707V/AC
		Current	Rated 250A+250A, Peak 500A@60s+500A@60s
		Frequency	0~1200Hz
	System Characteristics		Operation Temperature
Cooling Method			Liquid Cooling, Max. liquid temperature 65°C, Water flow rate 25L/min cooling medium ratio: 50% pure water + 50% propylene glycol
Size			537W*318D*133H (mm)
Weight			≤17Kg
Protection			IP68



INVT Electric Vehicle
Drive Technology(Shenzhen) Co., Ltd.

Add: 3F, Block B, INVT Guangming
Technology Building, Songbai Road,
Matian, Guangming District, Shenzhen

Website: www.invt-ev.com

Email: invt-emobility@invt.com.cn

INVT E-mobility

