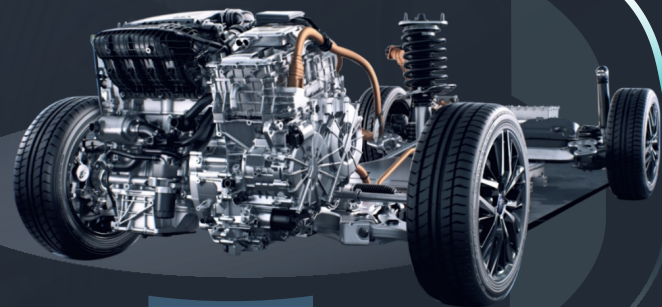
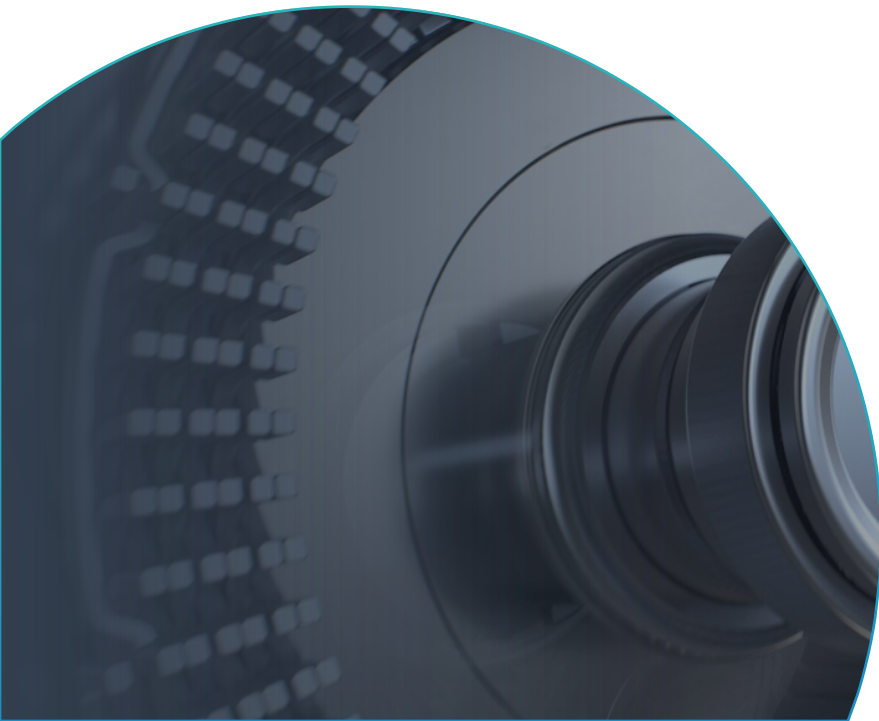


The powertrain solution of Electric heavy truck



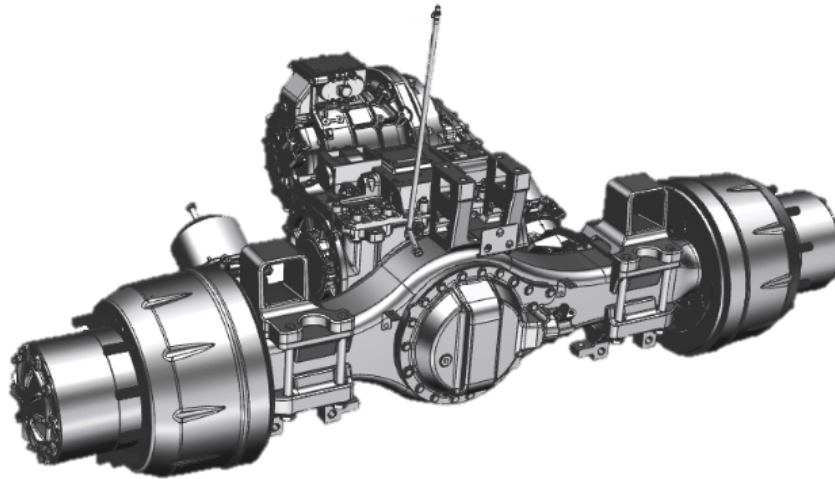
contents



- **Integrated E-axle---(SEQ16)**
- **6 in 1 controller**
- **Other parts**
- **Reference vehicle**

1、Integrated E-axle---(SEQ16)

SEQ16 is a biased integrated e-axle designed by Findreams powetrain for 4×2 heavy-duty trucks and 6×4 tractors. Its appearance is shown as follows:



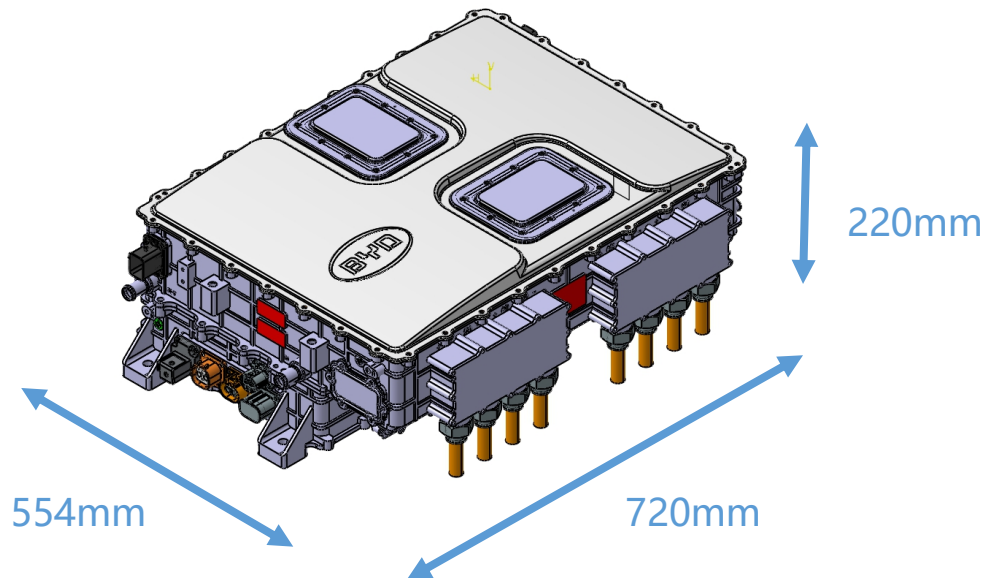
This e-axle adopts pneumatic drum brake, which can be matched with balanced suspension , air suspension and standard differential lock

The Parameters of SEQ16

e-axle parts			
max load (kg)	16000	Wheel end output torque (Nm)	50189
Reduction ratio	111.532/53.967 /29.045/14.054	Wheel bolt distribution circle diameter (mm)	Ø335
Rim Installation Stop Diameter (mm)	Ø280.5	Specifications/quantity of wheel bolts	M22×1.5-6h/10
End distance of rim installation (mm)	1832	Brake specification	Ø410×220
Center distance of plate spring (mm)	1035	Brake type	Air pressure drum
boundary dimension (mm)	(L2280×W906 ×H668)	weight (kg)	1249
motor parts			
peak torque (Nm)	450	Peak power (kw)	180
rated torque (Nm)	285	Rated power (kw)	120
highest speed (r/min)	9000	working system	S9
insulation grade	H	Protection grade	IP67
rated voltage (VDC)	640	Voltage operating range (VDC)	350-750

2、6 in 1 controller

- **6 in 1 integrated controller (dual motor controller + DC/DC+ air pump control + oil pump control +PDU)**



- Features:
- Compact design, small installation space, high power density;
- Motor torque fluctuation is small, high efficiency zone range is wide;
- CAN communication is used to control the internal contactor, and the insulation of the whole high voltage system is monitored in real time.
- Short circuit, overvoltage, overcurrent protection: < 20US level hardware response, product stability, easy to use, reliable;
- Double gun charging power distribution function.

The Parameters of 6 in 1

- **6 in 1 integrated controller (dual motor controller +DC/DC+ air pump control + oil pump control +PDU)**

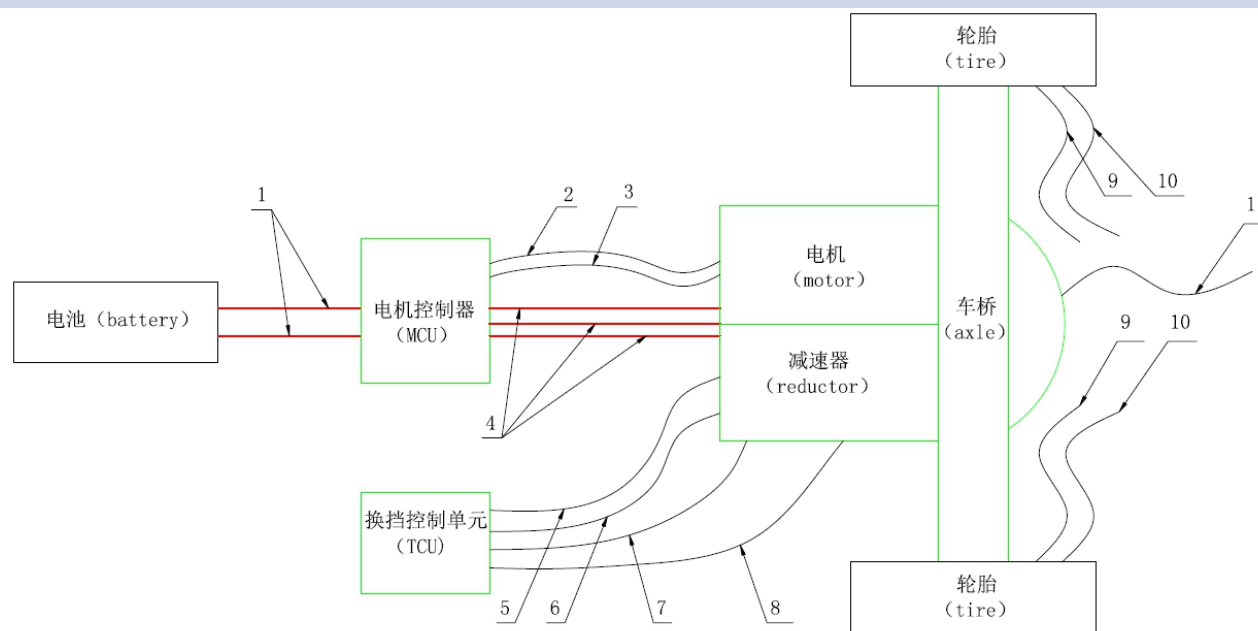
	6 in 1
Operating voltage range	350 ~ 850Vdc
Continuous output current	300Arms
Maximum output current	500Arms@30s
Switching frequency	3-10kHz
The output frequency	0-1000Hz
The highest efficiency	≥98%
volume	about 75L
weight	≤65kg
Protection grade	IP67
communication interface	CAN
The cooling way	Liquid cooling (output limit for water temperature ≥65℃) The water flow 10 to 18 l/min

air/oil pump control	
Rated power	5kW
Peak power	10kW
Speed control accuracy	≤2%
DC/DC	
Rated power	6kW
Rated output current	210A±5%
output voltage	28±5% (450V~820V) ; ≥20V (350V~440V)
high voltage distribution	
Output branch	automobile air-condition
	Defrost/heating
	AC/DC charging
	Battery heating/water cooling

3、Other parts

the information

TCU	Shift control unit
high-voltage wiring	Motor three-phase line, DC bus
<p>Note: 1. The standard vehicle bridge does not contain the above supporting accessories;</p> <p>2. Low-voltage harness Verdi power only provides the information of the plug end</p>	



1、直流母线 2、旋变信号线 3、温度信号线 4、三相线 5、挡位传感器信号线 6、气动电磁阀信号线 7、压力传感器信号线 8、方向（转速）传感器信号线 9、轮速传感器信号线 10、磨损报警线 11、差速锁行程传感器信号线

4、Application models

Domestic vehicle



T8E/F/FA—环卫底盘



T10CSJ—搅拌车



T10ZT—渣土车



T9CA—环卫底盘



T10C—环卫底盘



Q1A—牵引车



Q3A—港口牵引车



Q3B—公路牵引车

Foreign vehicle



T8E



Q1MA



Q3MA



Q1R



T8



Q1Y

Thank you

