



KAHUEV | EV

EK18

Battery Electric Truck Platform



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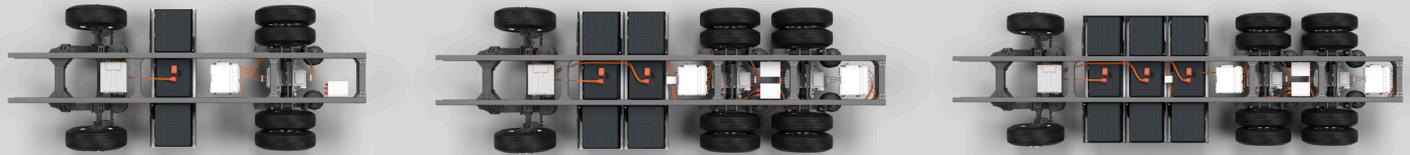
The Kahu EV EK18 Modular Truck Platform is the culmination of best of breed heavy electric vehicle components controlled by our EVNet™ peer-to-peer J1939 vehicle network and cloud based telematics system that vertically integrates all aspects of vehicle functionality including maintenance, support and charging.

This software defined vehicle strategy ensures seamless performance, easy customization and integration for body builders, and end-to-end operational support. Subsystems already developed include concrete agitators, rubbish compactors, bitumen sprayers, powered axle trailers and other construction machinery with easy integration of further subsystems as required.

The EK18 is available as a 4x2, 6x2, and 6x4 with battery capacity from 180kWh to 540kWh and power from 260kW to 720kW. Wheelbase is highly configurable thanks to the modularity of the platform.

Battery

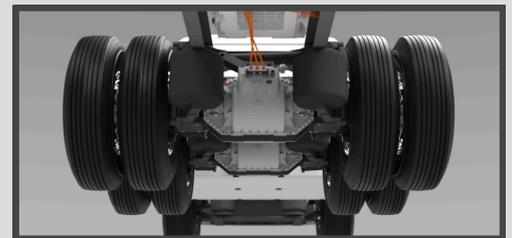
- CATL LFP Cells - 6000 Cycles (70% SOH)
- Modular Design (180kWh, 360kWh, 540kWh)
- 268Ah 750V Architecture
- 180kW-500kW DC Fast Charging Capable
- 22kW On Board Charger Optional



Driveline

- Integrated CDTL Drive Axles
- 2 Speed Dual & 2 Speed Single Motor Options
- WABCO EBS3 Electronic Braking System
- Air or Leaf Suspension Optional
- Disk or Drum Brakes Optional

Specification	1 Motor	2 Motor
Rating (kg)	13,000	13,000/16,000
Peak / Continuous Power (kW)	260/145	360/160
Maximum Torque (Nm)	38,000	50,000
Maximum RPM	13,000	9,500
Gear Ratios (1st/2nd)	83.72/21.41	49.4/15.3



Cabin

- Low, Medium & High Roof
- Day, Single or Sleeper Cab
- LED Headlights
- Tactile Buttons & Controls
- 12.5in Multimedia Display
- Four Point Air Suspension
- Air Suspended Driver Seat
- Flat Floor Design
- One Touch Electric Windows
- Electric Gear & Park Selector



4x2 Cab Chassis Configurations



Config	Wheelbase (mm)	Axle Rating (kg)(F/R)	GVM (kg)	Tare (kg)	Battery (kWh)	Rated / Peak Power (kW)	Rated / Peak & Tractive Torque (Nm)
4x2	3500	6500 / 13000	19500	5491	181	145 / 260	200 / 460 - 38000
4x2	4200	6500 / 13000	19500	5551	181	145 / 260	201 / 460 - 38000
4x2	6500	6500 / 13000	19500	5651	181	146 / 260	202 / 460 - 38000
4x2	4200	8000 / 13000	21000	7101	362	160 / 360	520 / 1040 - 50000
4x2	6200	8000 / 13000	21000	7151	362	160 / 360	520 / 1040 - 50000

Other configurations available - Contact us for further details

6x2 & 6x4 Cab Chassis Configurations



Config	Wheelbase (mm)	Axle Rating (kg)(F/R)	GVM (kg)	Tare (kg)	Battery (kWh)	Rated / Peak Power (kW)	Rated / Peak & Tractive Torque (Nm)
6x2	4175	6500 / 26000	32500	6745	181	145 / 260	200 / 460 - 38000
6x2	5550	6500 / 26000	32500	6850	181	145 / 260	200 / 460 - 38000
6x2	4850	6500 / 26000	32500	8205	362	145 / 260	200 / 460 - 38000
6x4	4175	8000 / 26000	34000	8695	362	305 / 620	720 / 1500 - 88000
6x4	4850	8000 / 26000	34000	8795	362	305 / 620	720 / 1500 - 88000
6x4	6200	8000 / 26000	34000	8805	362	305 / 620	720 / 1500 - 88000
6x4	4850	8000 / 26000	34000	10295	543	320 / 720	1040 / 2080 - 100000
6x4	6200	8000 / 26000	34000	10305	543	320 / 720	1040 / 2080 - 100000

Other configurations available - Contact us for further details

Safety & Vehicle Features

Standard

- Power Steering
- Central Locking
- Reverse Camera
- Maintenance Portal Access
- Telematics & GPS Data Access
- Charger & Vehicle API Web Portal Access
- V2G Integration for Kahu EV Energy Management System

Optional

- High Power Accessory (ePTO)
- Axle Driven Hydraulic PTO
- High Power DCDC Conversion to 48V
- 240V AC Inverter
- Remote Control & By Wire Functionality
- Automatic Emergency Braking
- Lane Departure & Front Collision Warning



Total Commercial BEV Solutions



Our battery electric vehicle technology and management systems have been deployed and improved on over many different innovative products around the world for the past 15+ years.

At Kahu EV, we don't just build trucks - we deliver the vertically integrated ecosystem required for success starting from matching the correct vehicle to the task, to training operators and maintenance technicians on how to operate and service equipment once delivered.

The EK18 platform builds on our proven EK16 trucks and combines our EVNet™ Vehicle Control System, Telematics system, and a tailored cloud based host energy management system - all developed in house - to match your specific BEV strategy.

Our cloud based charging and energy management systems enable Vehicle-to-Grid (V2G) capabilities, optimizing energy costs, grid integration and ensuring diagnostics and repairs are remedied quickly to reduce downtime.

Beyond the truck, we provide end-to-end support, parts holding, and operator training. With Kahu EV, you get a future-proof fleet backed by a seamless, all-in-one solution.

Scan the QR Code below to contact us or visit our website to find out more.

www.kahuev.com

