

Extended
Range

Ultra-Fast
Charging

Comprehensive
Safety Protection

Full-Vehicle Air
Suspension

Dual-Power
Matrix

Central Domain
Control

SANY TRUCK

636kWh
STANDARD



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SANY Electric Heavy Truck 636kWh Standard Version

EXTENDED RANGE

Features the industry's largest bottom-mounted power battery at 636kWh, delivering a standard load range of 500km.

ULTRA-FAST CHARGING

Supports MCS charging, achieving a rapid 300km (400kWh) charge in just 30 minutes, boosting operational efficiency by 40%.

DUAL-POWER MATRIX

Powered by 420/730kW dual electric drive axles with 980hp peak horsepower, this robust steel-core system delivers coupled dual-motor output that combines power with adaptability for multiple application scenarios.

COMPREHENSIVE SAFETY PROTECTION

Combines a high-voltage electrical safety architecture with an active defense information security system, establishing a triple-layer defense-in-depth mechanism to ensure all-dimensional driving safety and vehicle data security.

FULL-VEHICLE AIR SUSPENSION

Features front and rear axle air suspension, increasing trailer swap efficiency by 40%, improving handling stability by 22%, and enhancing ride comfort by 52%.

CENTRAL DOMAIN CONTROL

The industry's first "central brain + regional execution" architecture adopts a highly integrated design enabling 100% hardware/software decoupling for enhanced intelligence, energy efficiency and comfort.

PRODUCT TECHNICAL SPECIFICATION

Model			4X2 636kWh Standard Version
Basic Parameters	Host code		KEV113263686
	Driver's seat location		Left hand drive
	Length×Width ×Height (unladen) (mm)		6640×2540×3870
	Wheelbase (mm)		4000
	Front overhang (mm)/Rear overhang (mm)		1540/1100
	The Fifth-wheel		50# Fifth-wheel
	Front distance of the fifth-wheel (mm)		1050
	Height of the fifth-wheel (mm)		1200
	Minimum ground clearance (mm)		280
	Front turning radius (mm)		≥2040
	Rear turning radius (mm)		≤2280
	Curb weight (kg)		10900
	Technically permissible combination weight (kg)		42000
	Gross vehicle weight (kg)		20000
Frame Parameter	Section heigth×Section width×Frame thickness (mm)		300*80* (8+5)
Driving Motor	Type		High-performance Dual-motor E-axle
	Rated power (kW)/Rotation speed (r/min)/Torque (N·m)		420/4500/1000
	Peak power (kW)/Rotation speed (r/min)/Torque (N·m)		730/4500/1760
Power Battery	Battery capacity (kWh)		636kWh
	Energy supply method		MCS fast-charging
	Charging standard		European standard
	Charging time		20%-80%≤35min
Transmission	Type		Twin two-speed transmission
	Number of gears		Two-speed
	Transmission take-off		Rated transmission output: 980 N·m
Vehicle Control Unit	Type		Central domain controller XCU
Axle	Front	Load capacity (tons)	9T
	Rear	Load capacity (tons)	13T
		1st speed ratio	35.26
		2st speed ratio	13.07
		Reverse speed ratio	35.26
Tyres	Type		Steering axle tires:385/55 R22.5 Drive axle tires:315/70 R22.5
Rim	Type		Steel/Aluminum
Suspension	Front /Rear		Air suspension
Braking System	Type		EBS+ESC+Braking energy regeneration system
Trailer Electrical Interface			ISO12098 Standard 15-core socket ISO7638 Standard 7-core socket
Trailer Power Supply			24V
Alternate Configuration			Optional 1: MPTO Optional 2: Cab deflector