

Massive Battery
Capacity

Ultra-Low Energy
Consumption

Exceptional
Power

High
Reliability

Rapid
Recharging

High
Standards

SANY TRUCK

588 kWh
COMPOSITE VERSION



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SANY ELECTRIC HEAVY TRUCK 588 kWh COMPOSITE VERSION

MASSIVE BATTERY CAPACITY

Equipped with the industry's largest 588 kWh swappable battery, delivering a maximum range of 700 km per charge under standard load conditions. Featuring MTB innovation and an all-aluminum structure, it boosts energy density by 30% and offers an ultra-long lifespan capable of discharging 2 million kWh of electricity.

ULTRA-LOW ENERGY CONSUMPTION

Powered by SANY's proprietary VCU and BMS, combined with integrated liquid cooling and MTB zoned thermal management. With 5-level energy recovery, energy consumption is 10% lower than competitors.

HIGH RELIABILITY

Upgraded to IP69K dust/water resistance, with an anti-immersion chassis, high-pressure wash protection, and C5 (highest-grade) anti-rust certification ensuring 10 years of rust-free durability.

EXCEPTIONAL POWER

Delivers a peak horsepower of 650 HP and torque of 2,800 N·m, enabling a climbing gradient of >15% (under 80-ton GCW).

RAPID RECHARGING

Standard 380 kW dual-gun fast charging achieves 20%-80% charge in 55 minutes, while a full battery swap takes just 5 minutes.

HIGH STANDARDS

Designed to European specifications, with core components certified under stringent ECE regulations, ensuring world-class quality.

PRODUCT TECHNICAL SPECIFICATION

Model		6X4 MTB 588		
Basic Parameters	Host Code	KEV123158698	KEV126158699	
	Driver's seat location	Left hand drive	Right hand drive	
	Length×Width ×Height(unladen)(mm)	7370×2545×3400	7370×2545×3400	
	Wheel base (mm)	3800+1350	3800+1350	
	Front overhang (mm)/Rear overhang (mm)	1540/680	1540/680	
	The Fifth-Wheel	50/90 fifth wheel	50/90 fifth wheel	
	Front distance of the fifth wheel (mm)	900	900	
	The Height of the fifth-wheel (mm)	1310	1310	
	Minimum Ground Clearance(mm)	280	280	
	Front Turning Radius(mm)	2150/≤2040	2150/≤2040	
	Rear Turning Radius(mm)	2050/≥2350	2050/≥2350	
	Curb weight (kg)	12600	12600	
	Technically Permissible Combination Weight (kg)	80000	80000	
	Gross Vehicle Weight (kg)	33000	33000	
Frame Parameter	Section height×Section width×Frame thickness(mm)	300*80* (8+5)	300*80* (8+5)	
Driving Motor	Type	High Performance Centre Drive Motor	High Performance Centre Drive Motor	
	Rated Power(kW)/Rotation Speed(r/min)/Torque(N.m)	330/2300/1370	330/2300/1370	
	Peak Power(kW)/Rotation Speed(r/min)/Torque(N.m)	480/3500/2800	480/3500/2800	
Power Battery	Battery capacity (kWh)	588kWh	588kWh	
	Energy supply method	600A dual-gun DC fast-charging/ 5min swapping	600A dual-gun DC fast-charging/ 5min swapping	
	Charging standard	Europe's Standard/ China's Standard GB/T	Europe's Standard/ China's Standard GB/T	
	Charging Time	20%-80%≤55min	20%-80%≤55min	
Transmission	Type	Six-speed Auto Gearbox	Six-speed Auto Gearbox	
	Number of gears	Six-speed Auto Gearbox + Coasting Switch	Six-speed Auto Gearbox + Coasting Switch	
	Power take off	QH50	QH50	
Vehicle control unit	Type	Self-developed VCU	Self-developed VCU	
Axle	Front	Load capacity (tons)	7T	7T
	Middle/Rear	Load capacity (tons)	13T	13T
		Ratio	5.286	5.286
Tyres	Type	12R22.5 18PR	12R22.5 18PR	
Rim	Type	Steel/Aluminum	Steel/Aluminum	
Suspension	Front /Rear	Front 3/Rear 5	Front 3/Rear 5	
Braking System	Type	ABS+ESC+Braking energy regeneration function	ABS+ESC+Braking energy regeneration function	
Trailer electrical interface		7pin	7pin	
Trailer power supply		24V	24V	
Alternate configuration		Customized expansion configuration according to customer needs	Customized expansion configuration according to customer needs	