

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)		7370×2545×3765	7370×2545×3765
	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)		120,000	120,000
	Frame Parameter	Section heigth×Section width×Frame thickness(mm)		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