

Massive Battery
Capacity

Ultra-Low Energy
Consumption

Exceptional
Power

High
Reliability

Rapid
Recharging

High
Standards

SANY TRUCK

588 kWh
SUPER VERSION



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SANY ELECTRIC HEAVY TRUCK 588 kWh SUPER VERSION

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.

ULTRA-LOW ENERGY CONSUMPTION

SANY's proprietary VCU and BMS system integrates liquid cooling and MTB zoned thermal management, reducing energy consumption by 10% and extending range under the same battery capacity.

MASSIVE BATTERY CAPACITY

Features the industry's largest 588 kWh swappable battery, with MTB innovation and all-aluminum structure boosting energy density by 30%. Ultra-long lifespan supports 2 million kWh of total energy output.

SUPERIOR LOAD CAPACITY

Equipped with industry-leading R24 super-sized tires, a 9.5-ton front axle, and a 16-ton reinforced rear axle, supporting a maximum single-trailer GCW of 120 tons.

EXCEPTIONAL POWER

Delivers 650 HP peak horsepower and 2,800 N·m peak torque, enabling a climbing gradient of >10% (under 120-ton GCW).

ULTRA-FAST CHARGING

Standard 360 kW DC fast charger achieves 20%-80% charge in 55 minutes, while a full battery swap takes just 5 minutes.

PRODUCT TECHNICAL SPECIFICATION

Model			6X4MTB588	6X4MTB588
Basic Parameters	Host Code		KEV123158668	KEV126158666
	Driver's seat location		Left hand drive	Right hand drive
	Length×Width ×Height(unladen)(mm)		7490×2545×3765	7490×2545×3765
	Wheel base (mm)		3800+1400	3800+1400
	Front overhang (mm)/Rear overhang (mm)		1540/750	1540/750
	The Fifth-Wheel		50/90 fifth wheel	50/90 fifth wheel
	Front distance of the fifth wheel (mm)		925	925
	The Height of the fifth-wheel (mm)		1455	1455
	Minimum Ground Clearance(mm)		350	350
	Front Turning Radius(mm)		2200≥2040	2200≥2040
	Rear Turning Radius(mm)		2038≤2200	2038≤2200
	Curb weight (kg)		14300	14300
	Technically Permissible Combination Weight (kg)		120000	120000
Frame Parameter	Section heigth×Section width×Frame thickness(mm)		300*80* (8+7)	300*80* (8+7)
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)	9.5T	9.5T
	Middle/Rear	Load capacity (tons)	16T	16T
		Ratio	7.63	7.63
Tyres	Type		12.00R24	12.00R24
Rim	Type		Steel	Steel
Suspension	Front /Rear		Front 10/Rear 10	Front 10/Rear 10
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