

Massive Battery
Capacity

Ultra-Low Energy
Consumption

Exceptional
Power

High
Reliability

Rapid
Recharging

High
Standards

SANY TRUCK

588 kWh
SUPER VERSION



@SANY TRUCK

Follow us, Know More



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/right)		Left hand drive	Right hand drive
	Length×Width ×Height(unladen)(mm)		7490×2615×3765	7490×2615×3765
	Wheel base (mm)		3800+1400	3800+1400
	Front overhang (mm)/Rear overhang (mm)		1540/750	1540/750
	The Fifth-Wheel		90#	90#
	Front distance of the fifth wheel (mm)		925	925
	The Height of the fifth-wheel (mm)		1455±20	1455±20
	Minimum Ground Clearance(mm)		350	350
	Front Turning Radius(mm)		2200	2200
	Rear Turning Radius(mm)		2038	2038
	Curb weight (kg)		14300	14300
	Technically Permissible Gross 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 CCS2/ China's Standard GB/T	Europe's Standard CCS2/ China's Standard GB/T
	Charging Time		20%-80%≤55min	20%-80%≤55min
Transmission	Type		6-speed AMT	6-speed AMT
	Number of gears		6-speed AMT + Coasting Switch	6-speed AMT + Coasting Switch
	Power take off		QH50	QH50
Vehicle control unit	Type		Self-developed VCU	Self-developed VCU
Axle	Front	Load capacity	9.5t	9.5t
	Middle/Rear	Load capacity	16t/16t	16t/16t
		Ratio	7.63	7.63
Tyres	Type		12.00R24	12.00R24
Rim	Type		Steel	Steel
Suspension	Front /Rear		Front 10 Leaf Spring/ Rear 10 Leaf Spring	Front 10 Leaf Spring/ Rear 10 Leaf Spring
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