

Massive Battery  
Capacity

Ultra-Low Energy  
Consumption

Exceptional  
Power

High  
Reliability

Rapid  
Recharging

High  
Standards

# SANY TRUCK

588 kWh  
COMPOSITE VERSION



**@SANY TRUCK**  
Follow Us, Know More



# SANY ELECTRIC HEAVY TRUCK 588 kWh COMPOSITE VERSION

## 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.

## 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/right)		Left hand drive	Right hand drive
	Length×Width ×Height(unladen)(mm)		7440×2545×3715	7440×2545/2499×3715
	Wheel base (mm)		3800+1350	3800+1350
	Front overhang (mm)/Rear overhang (mm)		1540/750	1540/750
	The Fifth-Wheel		50#, 90# optional	50#, 90# optional
	Front distance of the fifth wheel (mm)		900	900
	The Height of the fifth-wheel (mm)		1310±20	1310±20
	Minimum Ground Clearance(mm)		280	280
	Front Turning Radius(mm)		2150	2150
	Rear Turning Radius(mm)		2050	2050
	Curb weight (kg)		12800	12800
	Technically Permissible Gross Combination Weight (kg)		80000	80000
	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 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	7.5t	7.5t
	Middle/Rear	Load capacity	13t/13t	13t/13t
		Ratio	5.286	5.286
Tyres	Type		12R22.5 18PR	12R22.5 18PR, 295/80R22.5, 385/65R22.5、11R22.5
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	EBS+ESC+Braking energy regeneration function
Trailer electrical interface			7pin	7pin
Trailer power supply			24V	24V