

SANY[®]

QUALITY CHANGES THE WORLD



E-POWER



- Massive Battery Capacity
- Ultra-Low Energy Consumption
- Exceptional Power

588kWh COMPOSITE

SANY Electric Heavy Truck



Read E-brochure

SANY ELECTRIC HEAVY TRUCK "588kWh COMPOSITE" VERSION

MASSIVE BATTERY CAPACITY

Equipped with the industry-leading 588 kWh swappable battery and an innovative MTB whole aluminum alloy structure, it achieves a 30% higher energy density; boasting an ultra-long lifespan, the battery delivers a total energy output more than 2 million kWh.

ULTRA-LOW ENERGY CONSUMPTION

Achieving ultra-low energy consumption via SANY's proprietary industry-leading VCU+BMS system, paired with integrated liquid cooling technology, MTB zonal thermal management, and 5-level energy regeneration.

EXCEPTIONAL POWER PERFORMANCE

Delivers a peak horsepower of 650 HP and torque of 2800 N·m, enabling a climbing gradient of >15% (under 80t GCW).

PRODUCT TECHNICAL SPECIFICATION

Model		SYG3	
Basic Parameters	Host Code	KEV126158699	
	Drive Type	6×4	
	Driver's Seat Location (Left/Right)	Right Hand Drive	
	Length×Width×Height (unladen) (mm)	7440×2545/2499×3825	
	Wheel Base (mm)	3800+1350	
	Front Overhang (mm)/Rear Overhang (mm)	1540/750	
	The Fifth-wheel	50#, 90#Optional	
	Front Distance of The Fifth-wheel (mm)	900	
	The Height of The Fifth-wheel (mm)	1310±20	
	Minimum Ground Clearance (mm)	280	
	Front Turning Radius (mm)	2150	
	Rear Turning Radius (mm)	2050	
	Curb Weight (kg)	12600-13600	
	Technically Permissible Gross Combination Weight (kg)	80000	
Frame Parameter	Section Height×Section Width×Frame Thickness (mm)	300×80×(8+5)	
Driving Motor	Type	High Performance Centre Drive Motor	
	Rated Power(kW)/Rotation Speed(r/min)/Torque (N·m)	330/2300/1370	
	Peak Power(kW)/Rotation Speed(r/min)/Torque (N·m)	480/3500/2800	
Power Battery	Battery Capacity (kWh)	588kWh	
	Energy Supply Method	600A Dual-gun DC Fast-charging/5 min Swapping	
	Charging Standard	Europe's Standard CCS2/China's Standard GB/T	
	Charging Time	20%-80%≤60min (600A Dual-gun)	
Transmission	Type	6-speed AMT	
	Number of Gears	6-speed AMT + Column Shifter	
	Power Take-off	QH50	
Vehicle Control Unit	Type	Self-developed VCU	
Axle	Front	Load Capacity (tons)	7.5t (12R22.5; 295/80R22.5); 8t (385/65R22.5)
	Middle/Rear	Load Capacity (tons)	13t/13t (12R22.5); 11.5t/11.5t (11R22.5)
		Ratio	5.286
Tyres	Type	12R22.5 18PR Front: 295/80R22.5 Rear: 11R22.5 Front: 385/65R22.5 Rear: 11R22.5	
Rim	Type	Steel/Aluminum	
Suspension	Front /Rear	Front 3/Rear 5 Leaf Spring	
Braking System	Type	AEBS+ESC+Braking Energy Regeneration Function	
Trailer Electrical Interface		7pin	
Trailer Power Supply		24V	

Reminder:

Any change in the technical parameters and configuration due to product modification or upgrade may occur without prior notice. The machine in the picture may include additional equipment. This brochure is for reference only, and goods in kind shall prevail.

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