



SANY

TRUCKS DELIVER LOVE



SANY ELECTRIC LIGHT TRUCK
PRODUCT BROCHURE

Sany Intelligent Heavy Truck Industrial Park

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WeChat
Public Account



SANY Electric Heavy
Truck Mini Program



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DOMESTIC MARKET

OVERSEAS MARKET

STRATEGIC MARKET

CARBON FOOTPRINT

Currently, it has expanded to all **34** provinces, municipalities, autonomous regions, and direct-controlled municipalities in China. Moreover, it has expanded its reach internationally, exporting to countries including the United States, Mexico, the United Arab Emirates, Jordan, Indonesia, Thailand, India, Russia, Mongolia, and others.

Strategic markets: Europe and Latin America.

Sany Truck is the **first brand to enter the United Arab Emirates, Indonesia, and Singapore** in bulk with new energy heavy trucks.

Sany Truck plans to establish joint ventures in Indonesia, the United States, Uzbekistan, and other countries.

SANY TRUCK

Sany Truck is the pioneer of Sany Group's digital and intelligent transformation.

At present, it has launched electric heavy trucks, electric light trucks, intelligent battery swapping stations, mobile energy replenishment stations, hydrogen energy heavy trucks, hydrogen production stations, hydrogen storage stations and diesel heavy trucks and other products. After four years of development, SANY's new energy heavy trucks have achieved the highest cumulative sales nationwide, becoming the domestic sales champion.

TOP 1

THE NO.1 BRAND
IN NEW ENERGY HEAVY TRUCKS

TOP 1

THE NO.1 BRAND OF TRUCK
ON THE INTERNET

THE NO.1 IN CHINA

MARKET SHARE OF SANY'S NEW ENERGY HEAVY TRUCK

*SALES RANKINGS BASED ON INDUSTRY TERMINAL COMPULSORY INSURANCE DATA



INTELLIGENT MANUFACTURING

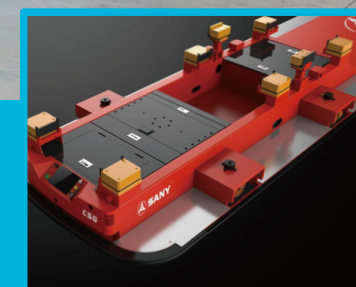


In 2022, Sany Truck officially launched the intelligent heavy truck industrial park, investing over 22 billion yuan. This is Sany's first park fully driven by digital intelligence technology. The factory is fully equipped with 5G communications. The information efficiency is 10 times higher than that of traditional factories, allowing a truck to be completed

every six minutes. It is the most automated heavy truck factory in the world, with an annual production capacity of up to 300,000 units.



3 STEREOSCOPIC
WAREHOUSE



700⁺ AGV



200⁺ ROBOTS

AGILITY TO NAVIGATE MARCH TO GLOBAL MARKET

Define Smart Transportation

3 In-House Research and Innovations

6 Performance Guarantees

4 Strict Tests



3 SELF-RESEARCH AND INNOVATIONS

“YUN DU” WIRE CONTROL CHASSIS

Beginning with R&D, advancing into the era of intelligent light truck transportation

EXTREMELY FAST RESPONSE

FINE TUNING

HIGH EFFICIENCY
&
LOW CONSUMPTION

SAFE & RELIABLE

YUN DU CONTROL SYSTEM

Transition from Mechanical Operation to Electronic Signal Language
Ultra-Fast Response, Streamlined Operation

- Self-Developed Vehicle Control Unit (VCU)
- Self-Developed High-Voltage Multi-Integrated Controller
- Jointly Developed MCU Motor Controller

YUN DU WIRED SHIFT CONTROL SYSTEM

Intelligent Gear Shifting
Smooth and Precise
Comfortable and Low Consumption
Safe and Smooth

- Wire-Controlled Gear Shift System

YUN DU WIRE-CONTROLLED STEERING SYSTEM

Low-Speed Smoothness, High-Speed Stability
Fine-Tuned Steering Re-centering
Three-Mode Power-Assisted Steering

- EPS Steering Assembly

YUN DU WIRED CONTROL BRAKE SYSTEM

At 60 km/h, the braking distance is reduced by 4 m compared to similar products
It provides electronic power assistance and motor-assisted braking, greatly reducing brake pad wear

- Hydraulic-Electric Controlled Power Brake System

YUN DU WIRED CONTROL DRIVE SYSTEM


- High Integration: Highly integrated transmission system, freeing up chassis space
- High Economic Efficiency: Overall efficiency higher than that of traditional direct drive by 2%
- High Comfort: Less than 75dB noise, providing a quieter driving experience
- Low Cost: Significantly reduce maintenance costs
- Battery warranty - 5 years/200,000 kWh
- Motor warranty - 3 years/200,000 kilometers
- External Motor + Integrated Electric Drive Axle


3 SELF-RESEARCH AND INNOVATIONS


MAKE MORE PROFIT IN A MORE COMFORTABLE WAY

Column Shift Creates a More Relaxing Sleeper

Stable and Comfortable

 Getting in and out of the car is more flexible with the door opening up to 80°

 Driving more focused, cavity partitions, expansion strips, double door seals, sound insulation and dustproof

 Life supplement is more worry-free. Humanized storage box + cup holder + small table combination design

2040mm
wide cockpit
The best in the industry

The first to cancel
the middle sub-instrument
+
handbrake
+
gear shift

THE WIDEST “BIG SLEEPER” IN THE INDUSTRY

LEFT-HAND DRIVE / RIGHT-HAND DIRVE
MULTIPLE CHOICES

A pillar leans forward
Space expansion 50L
Up to 9 storage areas

High-end shielding, optimized space
Smooth control, elegant and calm

Increased steering column
inclination angle provides
more legroom

3 SELF-RESEARCH AND INNOVATIONS

EXTRAORDINARY DYNAMIC APPEARANCE

Enjoy Comfortable Driving
With All-Round Aesthetic Postures

Patent-designed presenting its elegance

The Sany R&D team collaborated with Italy's Pininfarina to analyze the streamlined design elements of Ferrari and Lamborghini. By integrating elegant streamlining expressions, they crafted a sleek overall vehicle design.

A wider field of vision (upright A-column, hyperboloid glass)

Smooth appearance with safe and anti-theft quality (hidden antenna + wiper)

Excellent streamline with lower wind resistance. (original streamlined guide hood)

High efficiency with special style (full LED crystal headlights, streamer turn lights, thick wall daily lights; lighting increased by 30%+)



6 PERFORMANCE GUARANTEES - ECONOMICAL AND ENVIRONMENTALLY FRIENDLY.

ENVIRONMENTAL GUARDIANS NAVIGATING THE CITY

Each Kilometer Traveled
Can Be Both Eco-friendly and Profitable



One electric light truck operating for a day can purify the same volume of air that **210** adults breathe daily.



1
fuel-powered
light truck

1 km_{mileage} = 0.12 L_{Diesel}

1 L_{Diesel} = 2.63 kg_{CO₂}

Taking an annual mileage
of 60,000 kilometers per vehicle
as an example.

$0.12 \times 60000 = 7200 \text{ L}$

$2.63 \times 7200 = 19 \text{ T}$

The amount of fuel
saved per vehicle
per year

7200 L

Each vehicle reduces
carbon emissions
by approximately

19 T per year

6 PERFORMANCE GUARANTEES - ECONOMICAL AND ENVIRONMENTALLY FRIENDLY.

300km CAN REDEFINE THE RANGE OF URBAN TRANSPORTATION

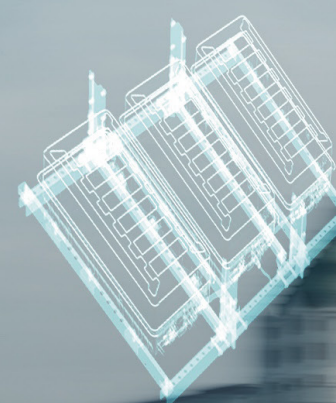
Every Kilowatt-Hour of Electricity
Can Be Used to the Extreme



100%

20%

<60Mins
FULLY CHARGED



106 kWh
RANGE 280-320KM



85 kWh
RANGE 230-260KM

ULTRA-LONG RANGE

Actual Calculation of Fully Loaded
Urban Working Conditions

85 kWh RANGE 230-260KM 106 kWh RANGE 280-320KM

QUICK ENERGY REPLENISHMENT

Soc Charges From 20% to 100% < 1h

1C DC Fast Charging

6 PERFORMANCE GUARANTEES - ENERGY SAVING AND LOW CONSUMPTION

EXTREME OPTIMIZATION REDUCES CONSUMPTION BY 10%

Reduce Costs and Increase Efficiency
Save Power and Worry

Power Consumption
Reduced by **↓2.3%**

↓6% Drag Coefficient
Reduced by

100% Anti-drag
Moment

System Efficiency Increased by
Compared With Traditional Direct Drive **↑2%**

ENERGY RECOVERY MORE EFFICIENT

Traditional Braking Energy Recovery Increases Cruising Range by **5%**

Decoupled Braking Energy Recovery Strategy Increases Cruising Range by **13%**

NEW PATENTED DESIGN STREAMLINED AIR DEFLECTOR

MULTIPLE WORKING CONDITIONS ENERGY-SAVING OPERATION

Intelligent Control Cooling Technology + Cooling Fan PWM Stepless Speed Regulation
+ Water Pump Multi-speed Speed Control



6 PERFORMANCE GUARANTEES - LOADING A LOT AND RUNNING FAST

18.5M³ SUPER LARGE VOLUME CONFIGURATION

Use Transportation Capacity to Cross Spatial Boundaries



Extra large volume

18.5m³

Sany original cargo box

Chassis weight reduction

50KG+

Highly integrated electric drive axle releases chassis space and makes the entire vehicle lighter



Highly flexible and multiple configurations

A variety of top-loading models including van, warehouse, fence, and refrigerated to meet different transportation needs



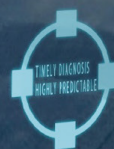
6 PERFORMANCE GUARANTEES - SMART AND FLEXIBLE

ITS PRECISE CONTROL ENSURES ITS EASY TURNING

From Fine to Precise, Every Step Is Smart and Steady



Flexible control and proactive
return to normal



TIMELY DIAGNOSIS
HIGHLY PREDICTABLE



"Hello, Kasheng"
Voice interaction



No worries

SMART MANIPULATION AUTONOMOUS CORRECTION

The steering return function is finely adjusted, allowing the steering wheel to automatically return to the center, and ensuring agile control.

DIAGNOSIS & PROGNOSIS

VCU coordinates to achieve multi-dimensional guarantees such as fault diagnosis and processing, vehicle status monitoring, vehicle mode switching, etc.

REVERSE

Reverse image

6 PERFORMANCE GUARANTEES - SAFE AND RELIABLE

26M PRECISION BRAKING DISTANCE

Continuously Commit to Safer Driving

BRAKING DISTANCE IS THE SHORTEST IN THE WHOLE INDUSTRY

Compared with traditional vacuum hydraulic braking, electronic hydraulic braking shortens the braking distance by more than 4 meters.

ELECTRONIC CONTROL ASSIST NO FEAR OF FREQUENT BRAKING

Wire-controlled dispatching provides electronic control assistance and an auxiliary braking drive motor, greatly reducing brake pad wear.

HIGH VOLTAGE INTERLOCK POWER-OFF PROTECTION

Highly integrated MCU+DCDC+PDU, any circuit failure will immediately cut off the high-voltage power, preventing electric shock and injury. The light truck can still maintain steering, braking, and taxiing performance in the event of a high-voltage power outage.

AVOID SLIDING

Wire - controlled passenger car-level Auto - hold function, VCU+MCU collaboratively controls front and rear rolling.



26m

4 STRICT TESTING

Test Verification Far Exceeding National Standards

48 h

IN THE RAIN

The electric motors, control, and battery are operating normally.

Protection level reaches IP67
Electrical Safety



RAIN TEST



WADING
ENVIRONMENT



EXTREMELY
HOT ENVIRONMENT



EXTREMELY
COLD ENVIRONMENT



DIVERSE SCENARIOS

 EXPRESS DELIVERY



 SUPERMARKET DELIVERY



 GENERAL DEPARTMENT STORE



 LTL SHIPPING



 COLD CHAIN GUARANTEE



OEM DIRECT SALES

Direct Access Without Middlemen
Transparent and Honest

SERVICE

Create a high-quality, high-capacity "direct sales" iron army, standardize the visit process to effectively improve the quality of customer service, and provide customers with "1V1" personalized in-depth marketing services.

RESPONSE

The local branch company system builds an end-to-end sales and service triangle of marketing-R&D-service. The manufacturer dispatches directly, and the comprehensive response speed is faster; problems go directly to the main engine factory, and the manufacturer covers the entire product life cycle.

COST PERFORMANCE

Manufacturers directly connect with customers, eliminate middlemen, reduce costs, and provide cost-effective products to benefit customers.

MODES

Based on the strength of our manufacturers and in response to customer needs, we offer various sales models, including complete vehicle sales, financial leasing, and joint venture operations.

VISIBLE

Relying on the factory-direct sales model, we open up information nodes throughout the entire process, achieving full visibility of order delivery and making delivery more secure.



OEM DIRECT AFTER SERVICE

1v1 On-site Direct Service
Lifelong Peace of Mind



OEM DIRECT AFTER SERVICE

Industry Exclusive: Breaking the limitations of time and space such as traditional service models, manufacturers directly dispatch R&D and service engineers to provide "one-on-one" butler-style on-site services.

Dedicated service: Dedicated personnel will respond to customer service needs, and designated service engineers will track the entire process; a dedicated team and accessories will accompany you, close to user needs, and handle maintenance issues promptly and efficiently; provide users with professional training on vehicle use, maintenance, etc. at any time.



TECHNICAL SUPPORT

More than 100 technical experts are on call throughout the year to provide customers with professional technical support.



LIFETIME PROTECTION

Active tracking: Provide multiple active services such as door-to-door visits, telephone return visits, and on-site tours throughout the entire life cycle from product delivery to operation and maintenance to ensure customer satisfaction.

Lifetime service: Provide standardized and unified after-sales service, original parts supply, and free technical support throughout your life.



SERVICE TEAM

More than 3,000 front-line maintenance personnel and nearly 1,400 service vehicles are on standby at any time.



EXTREMELY FAST RESPONSE

All year round: 365 days a year, 24/7 dedicated personnel accept repair reports, complaints, consultations, all-weather emergency rescue and fault repair services, and respond quickly within 15 minutes.

Own parts library: Each service engineer comes standard with a light truck mobile parts library, which greatly reduces waiting time and improves maintenance efficiency. Solve the problem once and for all, anytime and anywhere.



SPARE PARTS RESERVE

There are more than 30 powerful brand center warehouses, with a national parts reserve exceeding 100 million yuan. These warehouses cover major provinces across the country and hold more than 7,000 types of vehicle parts in stock.



PRODUCT
PARAMETERS



VEHICLE	MODEL		JIANGSHAN LIGHT TRUCK (STANDARD LOAD VERSION)	JIANGSHAN LIGHT TRUCK CHASSIS (LONG RANGE VERSION)	JIANGSHAN LIGHT TRUCK CHASSIS (HEAVY LOAD VERSION)	SINGAPORE RIGHT-HAND-DRIVE TRUCK
	Model		EV85-06	EV106-06	EV106-08	FR601
	Driving style		Left Hand	Left Hand	Left Hand	Right Hand
	Wheelbase(mm)		3360	3360	3360	3360
	External Dimension(mm)	Van/Box	5995×2185×3120	5995×2185×3120	5995×2185×3120	/
		Stake	5995×2185×3080	5995×2185×3080	5995×2185×3080	/
		Dropside	5995×2185×2360	5995×2185×2360	5995×2185×2360	5995×2185×2360
		Automatic Windshield Wiper	5975×2085×2285	5975×2170×2285	5975×2170×2285	5975×2085×2285
	Inner Dimensions Of Containe(mm)	Van/Box	4180×2100×2100	4180×2100×2100	4180×2100×2100	/
		Stake	4180×2100×400	4180×2100×400	4180×2100×400	/
		Dropside	4170×2100×400	4170×2100×400	4170×2100×400	4170×2100×400
	Maximum Speed(km/h)		90	90	90	90
	Maximum Gradeability		≥20%	≥20%	≥20%	≥20%
	60km/h Braking Distance(m)		< 26	< 26	< 26	< 26
	Minimum Turning Radius(m)		< 7	< 7	< 7	< 7
	Range Under Urban Condition(km)		240	300	300	240
ELECTRIC SYSTEM	Power Battery	Nominal Voltage(V)	563.2	460.8	460.8	563.2
		Rated Storage Energy(kWh)	85	106	106	85
		Energy Supply	DC Fast Charge	DC Fast Charge	DC Fast Charge	DC Fast Charging AC Slow Charging
		Type Of Charging Port	Chinese Standard	Chinese Standard	Chinese Standard	European Standard
		Charging Time	20%-100%≤ 1h(25°C)	20%-100%≤ 1h(25°C)	20%-100%≤ 1h(25°C)	20%-100%≤ 1h(25°C)
	Motor	Category	Electric Drive Axle	Electric Drive Axle	Electric Drive Axle	Electric Drive Axle
		Rated/Maximun Power (kW)	60/115	60/115	65/120	60/115
		Rated/Maximun Torque (N.m)	135/350	135/350	172/360	135/350
	Electric Control	Auxiliary Drive Controller	Three-in-one Controller	Three-in-one Controller	Three-in-one Controller	All-in-One Controller
		Vehicle Control Unit	Self-developed VCU	Self-developed VCU	Self-developed VCU	Self-developed VCU
CHASSIS	Front/rear Axle		2T/4T	2T/4T	2.5T/5.5T	2T/4T
	Leaf Spring		2/2+2	3/3+3	3/3+3	2/2+2
	Steering		EPS	EPS	EPS	EHPS
	Brake		ABS+EBD	ABS+EBD	ABS+EBD	AEBS+ESC
	Parking		EPB	EPB	EPB	EPB
	Wheel		7.00R16	7.00R16	7.00R16	7.00R16
CAB	Width(mm)		2040	2040	2040	2040
	Rated Passenger Capacity		3	3	3	3
	Rear Mirror		Electric Heating	Electric Heating	Electric Heating	Electric Heating Electric Adjustment
	Instrument		All-liquid Crystal Instrument	All-liquid Crystal Instrument	All-liquid Crystal Instrument	All-liquid Crystal Instrument
	Central Control Screen		12-inch Central Control Screen	12-inch Central Control Screen	12-inch Central Control Screen	12-inch Central Control Screen
	Steering Wheel		Multi-Function Steering Wheel	Multi-Function Steering Wheel	Multi-Function Steering Wheel	Multi-Function Steering Wheel
	Headlamp		All LED Headlights	All LED Headlights	All LED Headlights	All LED Headlights Automatic Headlights
	Shifter		Column Shifter	Column Shifter	Column Shifter	Column Shifter
	Air Conditioner		Electric Air Conditioner	Electric Air Conditioner	Electric Air Conditioner	Electric Air Conditioner (no Warm Air)
	Windscreen Wiper		Manual Windshield Wiper	Manual Windshield Wiper	Manual Windshield Wiper	Automatic Windshield Wiper
	Drive Assistant		/	/	/	Dual Warning System with FCW and LDW

QUALITY CHANGES THE WORLD