



# Specification of E490AS 6x4 Heavy Load



## Driving comfort

High roof cab and totally flat floor, extremely spacious cab space, quiet and comfortable; Wide vision, electrically heated rear mirror, safer driving; High reliable AMT transmission with aluminum housing, and column-mounted shifter make it smooth operation; The airbag seat damping system fully filters the road impact; Handheld electric wire control lift, make it easier to operate.

## High IQ

The vehicle control system is SANY independently developed to support intelligent parking, intelligent load and gear matching, and multi gear ratio energy recovery scheme. The motor+ABS combined braking has high energy efficiency, a 12 inch intelligent network connected large screen, and full function display of vehicle operation status.

## Excellent performance

Strong power, excellent climbing and acceleration performance, maximum climbing > 30%, 0-30km/h acceleration time < 4s; Equivalent to 3 million km full condition test, with higher road conditions, load and environmental adaptability. The large bore steering gear is matched with the dual source steering oil pump, which makes the steering easier and safer, and meets the requirements of complex and changeable steering conditions such as construction sites and mountain roads.

## Light curb weight

Chassis with lightweight design, new materials, structural topology optimization, the use of self-developed lightweight power swap device, the curb weight is at least 1 ton lower than that of competitors at the same level, less leaf spring suspension, highly reliable, lightweight

## Long continued mileage

Precise energy management and control scheme, efficient energy recovery, ultra-low energy consumption (based on 90% of the total electricity capacity, flat hard paved road conditions, standard load of 49 tons, 350 degree batteries, 190km range)

## Fast energy supplement

The intelligent battery swap station automatically completes battery replacement in 5 minutes; Under the charging mode, 60% of the power is supplied by dual-gun fast charging for 30 minutes



Building material transportation



Port transportation



Coal transportation



Sand and gravel transportation



steel transportation



Power plant transportation



Right hand driving

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Vehicle model	JiangShan RHD heavy load 6 × 4 EVE 350 battery–swapping mode electric Semi–trailer tractor
Host code	KEV100000110
Working Condition	Short distance transportation
Description	Jiangshan high–roof heavy load 6 × 4 EVE 350 battery–swapping mode electric Semi–trailer tractor (LEGO On 490/5.92/all–steel/Kormee ABS/front 3 rear 5/no fifth–wheel/315/80R22.5)

### Vehicle

Vehicle Parameters	Performance and weight parameters	Drive mode	6 × 4
		Wheelbase	3400+1400
		Turning diameter(m)	<19
		Curb weight(kg)	12000
		Maximum Speed(km/h)	100 (speed limit)
	Gross Combination Weight (GCW)/kg	120000 ( GVW < 30000 )	
	Overall Dimension	LxWxH(mm)	6970 × 2545 × 3715
		Front overhang/rear overhang(mm)	1515/655
		Approach angle/Departure angle ( ° )	16/37
		Fifth wheel front distance ( mm )	( 800,1000 )
No–load the fifth wheel height from the ground ( mm )		1370	
Minimum ground clearance	295		

### Chassis system

Frame	300*80*(8+7)_940–850	●
The Fifth–Wheel	Not Include	Not Include
Front axle	Fangsheng	7.5t ●
Drive axle	Fangsheng	FSH300/13T/drum/double bridge/grind (speed ratio 5.92) ●
	Differential lock	Interaxle differential ●
Suspension		Interwheel differential ●
	Front suspension	3 leaf spring ●
	Rear suspension	5 leaf spring ●
Brake	Front axle	Drum brake (410 × 160) – Air chamber (24') ●
	Middle rear axle	Drum brake (410 × 220) – Air chamber (30'130') ●
Tire	Model	315/80R22.5 ●
	Brand	Sailun ●
Rim	Steel rim	●
Auxiliary brake	Electric regenerative braking (tandem) – ABS	●

## Key Electric System

Motor	Suzhou LEGO(Central drive)	TZ388XSLGE03	Rated/Peak Power 250/360kW Rated/Peak speed 1800/3000 Rated/Peak torque 1300/2800
Motor controller	Inovance	KTZ61X38SSY01	Rated/Peak Power 250/361kW
Transmission	FAST F6E240 (Central drive)	F6E240	6–speed
Shifter	Column–mounted shifter (Adayo)	/	/
Power Battery	EVE Battery	10C	350kWh