



SANY Robotics Technology Co., Ltd.
Make material handling more efficient, greener and smarter

SCP30/35F7 Sany Lithium Battery Heavy Duty Forklift Truck



The world's first eight-in-one electric
powertrain in the forklift industry



[Four advantages]

- Compared with the mainstream electric forklift truck on the market, energy consumption is reduced by **15%**
- The production costs and assembly complexity is reduced, and it is more cost-effective
- The body structure is simpler, the maintenance is more convenient, and the whole life cycle maintenance cost is reduced by **30%**.
- The interface for major electrical components is reduced by **90%**, and it is more water resistant and reliable

Main features



Superior performance

- Core electrical components IP67, entire vehicle IPX4;
- Driving speed ≥16km/h, gradeability ≥17%, industry-leading;
- Electric-driven water cooling heat dissipation, continuous and efficient operation.



Safety and reliability

- Active safety system: it can detect people's movement and predict danger alarm in advance (optional);
- High-precision face recognition system to avoid fatigue driving (optional).



Extended warranty

- Three-year or 10,000-hour warranty for battery, motor and controller, achieving worry-free use;
- Five years or 10,000 hours warranty for eight-in-one powertrain (electrical components).



Efficiency improvement

- Self-developed dual-core VCU with super computing power, millisecond response, strong driving control explosiveness;
- Fast chargeable high performance battery, 20%-100% full charge in 1 hour (200A charger);
- Permanent magnet synchronous electric drive, with greater power and stronger dynamic performance.



Energy saving and cost reduction

- Every 2 Sany electric forklift trucks can offset the economic benefits of 3 fuel forklift trucks;
- Non-stop operation, 8-hour work cycle, 24/7 continuous use.



Cloud escort

- Cloud intelligent monitoring escort, fleet management, remote fault diagnosis, etc.

Table of Standard Parameters

Class	Unit	SCP30F7	SCP35F7
Overview	Rated loading capacity	Q (kg)	3000
	Center distance of load	c (mm)	500
	Front overhang	x (mm)	485
	Wheel base	y (mm)	1750
Weight	Dead weight	kg	4670
	Front and rear axle load (full load)	kg	6700/970
	Front and rear axle load (no load)	kg	2150/2520
Tire	Type of tyre	/	Solid tyre
	Front wheel specification	/	28*9-15
	Rear wheel specification	/	21*8-9
	Front wheel track	b10 (mm)	1020
	Rear wheel track	b11 (mm)	1000
Performance	Maximum driving speed (full load/no load)	km/h	16/16
	Maximum lifting speed (full load/no load)	mm/s	350/400
	Lowering speed (full load/no load)	mm/s	420/510
	Tractive effort (full load/no load)	N	17300/15800
	Gradeability (full load/no load)	%	18/20
	Service brake	/	Hydraulic type
	Parking brake	/	Mechanical type
			Mechanical type

Class	Unit	SCP30F7	SCP35F7
Dimension	Gantry inclination angle (front/rear)	α/ β (°)	6/12
	Height when the gantry is retracted	h1 (mm)	2130
	Height of free lift	h2 (mm)	130
	Lifting height	h3 (mm)	3000
	Maximum lifting height of gantry	h4 (mm)	4190
	Height of overhead guard	h6 (mm)	2190
	Overall length (to front end face of fork)	L2 (mm)	2680
	Overall width	b1 (mm)	1250
	Fork size (thickness / width / length)	s/e/l (mm)	45*122*1070
	Spacing of forks	mm	247-1100
	Minimum ground clearance at gantry	m1 (mm)	130
	Minimum ground clearance at the center of wheelbase	m2 (mm)	150
Motor battery	Stacking channel (0.8m x 1.2m)	Ast (mm)	4050
	Stacking channel (1mx1.2m)	Ast (mm)	4250
	Minimum turning radius	Wa (mm)	2350
	Traveling motor (S2-60min)	kW	18
Controller	Lifting motor (S3-15%)	kW	25
	Battery voltage/power	V/kWh	96/22.1
	Dead weight of battery	kg	210
	Travel control form	/	AC/MOS tube
Controller	Attachment to provide pressure	Mpa	19.5
			19.5

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Due to continuous technical updates, technical parameters and configurations are subject to change without notice. The machine in the picture may include additional equipment. This album is for reference only, subject to actual product.

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