



SANY Robotics Technology Co., Ltd.
Make Material Handling More Efficient, Greener, and Smarter

SCP30C6/SCP35C6 SANY Lithium Battery-powered Counterbalanced Forklift



Choose SANY to Tackle Extreme
Working Conditions



Choose SANY to Embrace
Leading Intelligence



Choose SANY to Experience
International Quality

Main Features



Outstanding Performance

- Perfect integration of new energy vehicle technology with forklifts, fully replacing traditional fuel-powered options;
- Maximum protection with IP67 for core electrical components and IPX4 for the entire forklift;
- Industry-leading "Double 20" performance with a travel speed of 20km/h and a gradeability of 20%.



Safety and Reliability

- Active Safety System: Detect human movement and anticipate hazards with alerts (optional);
- High-precision Facial Recognition System: Prevent fatigue driving (optional).



Ultra-long Warranty Period

- Enjoy worry-free usage with an ultra-long warranty period of five years or 10,000 service hours for EIC.



Enhanced Efficiency

- Self-developed dual-core VCU offers powerful computing capabilities with millisecond response time for superior control
- Fast-charging and high-performance battery can go from 0% to 90% in just 1.5 hours;
- Permanent magnet synchronous electric drive delivers greater power and performance.



Energy Saving and Cost Reduction

- Every 2 SANY electric forklifts are equivalent to 3 fuel-powered forklifts in terms of economic benefits;
- Continuous operation with an 8-hour work cycle, providing 24/7 usage without downtime.



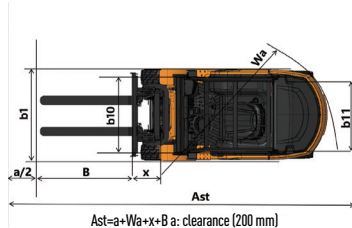
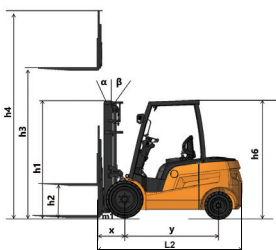
Cloud-Based Support

- Intelligent cloud monitoring allows for fleet management, remote fault diagnosis, etc.

Table of Parameters

Category		Unit	SCP30C6 (200V)	SCP30C6	SCP35C6
Overview	Rated load capacity	Q(kg)	3000	3000	3500
	Load center distance	c(mm)	500	500	500
	Front overhang	x(mm)	500	500	500
	Wheel base	y(mm)	1750	1750	1750
Weight	Dead weight	kg	4620	4620	4860
	Axle load front/rear (full load)	kg	6810/810	6810/810	7430/930
	Axle load front/rear (no load)	kg	2140/2480	2140/2480	2100/2760
Tire	Tire type	/	Pneumatic tire	Solid tires	Solid tires
	Front tire specifications	/	28"9-15-14PR	28"9-15	28"9-15
	Rear tire specifications	/	21"8-9-14PR	21"8-9	21"8-9
	Front wheel track	b10(mm)	1020	1020	1020
	Rear wheel track	b11(mm)	1000	1000	1000
Performance	Max. travel speed (full load/no load)	km/h	16/16	20/20	20/20
	Max. lifting speed (full load/no load)	mm/s	460/470	460/470	460/470
	Lowering speed (full load/no load)	mm/s	420/480	420/480	420/480
	Traction force (full load/no load)	N	14500	16800	16800
	Gradeability (full load/no load)	%	20/20	20/20	20/20
	Service brake	/	Hydraulic	Hydraulic	Hydraulic
	Parking brake	/	Mechanical	Mechanical	Mechanical

Category		Unit	SCP30C6 (200V)	SCP30C6	SCP35C6
Dimensions	Mast tilt angle (front/rear)	α/ β(°)	6/12	6/12	6/12
	Height when mast is retracted	h1(mm)	2175	2175	2180
	Free lift height	h2(mm)	120	120	120
	Lifting height	h3(mm)	3000	3000	3000
	Max. height when mast is raised	h4(mm)	4100	4100	4100
	Height of overhead guard	h6(mm)	2185	2185	2190
	Overall length (to the front end face of forks)	L2(mm)	2695	2695	2695
	Overall width	b1(mm)	1250	1250	1250
	Fork dimensions (thickness/width/length)	s/e/l(mm)	45*122*1070	45*122*1070	50*122*1070
	Fork spacing	mm	247-1100	247-1100	247-1100
	Min. ground clearance at mast	m1(mm)	130	130	130
	Min. ground clearance at wheel base	m2(mm)	150	150	150
	Stacking aisle (1m*1.2m)	Ast(mm)	4250	4250	4250
	Stacking aisle (0.8m*1.2m)	Ast(mm)	4050	4050	4050
Min. turning radius	Wa(mm)	2350	2350	2350	
Motor battery	Travel motor (S2-60min)	kW	20	32	32
	Lifting motor (S3-15%)	kW	25	25	25
	Battery voltage / capacity	V/kWh	294/29.4	294/29.4	294/29.4
	Battery weight	kg	250	250	250
Controller	Travel control mode	-	IGBT	IGBT	IGBT
	Pressure provided by attachment	Mpa	19.5	19.5	19.5



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