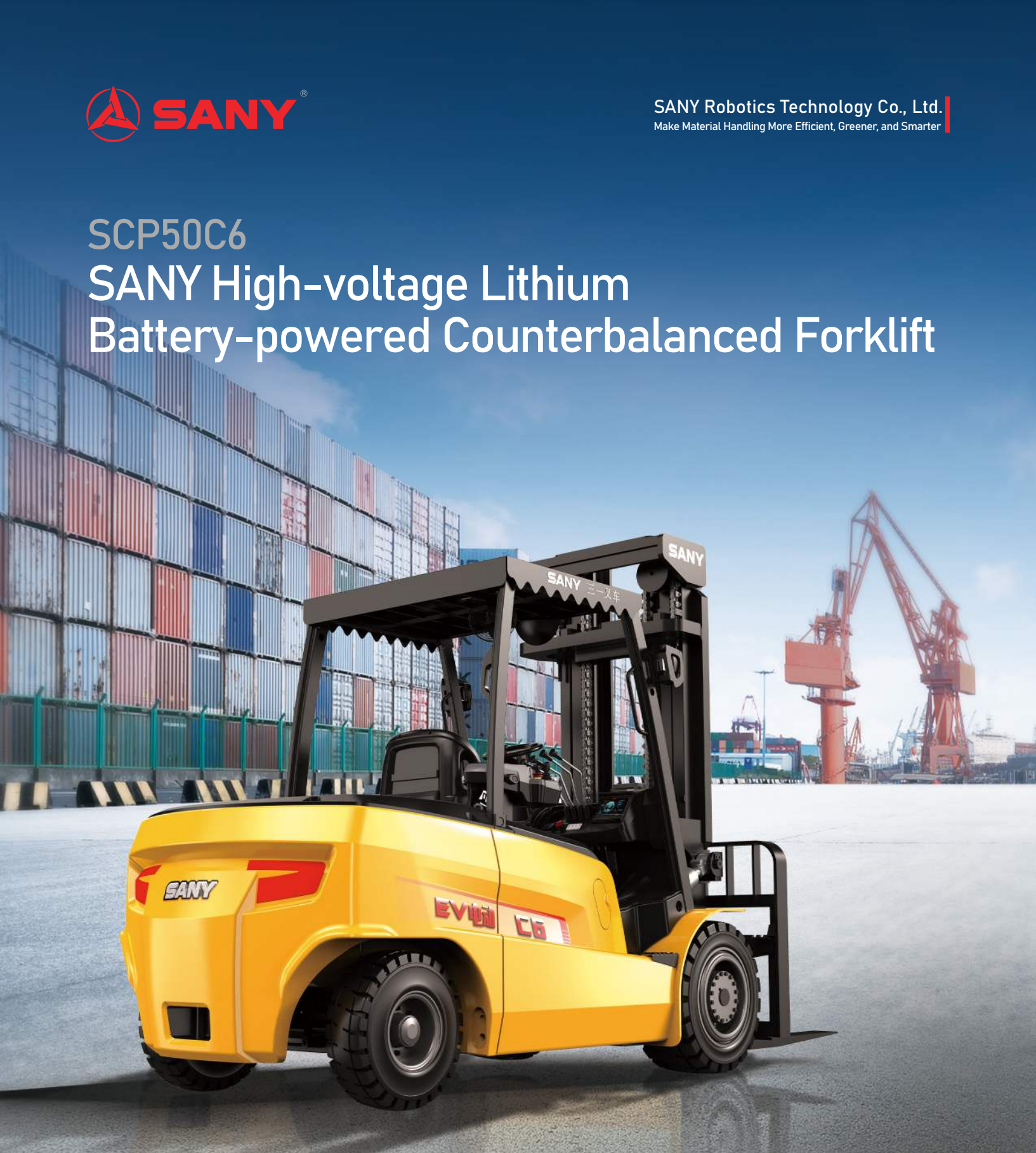
SANY

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

SCP50C6
SANY High-voltage 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.

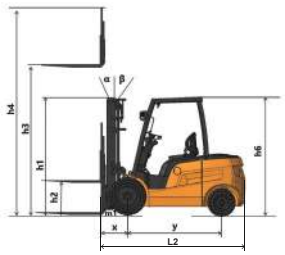
Cloud-Based Support

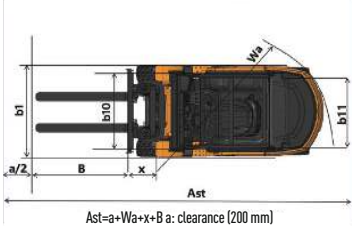
- Intelligent cloud monitoring allows for fleet management, remote fault diagnosis, etc.

Table of Parameters

Category		Unit	Parameters
Overview	Rated load capacity	Q(kg)	5000
	Load center distance	c(mm)	500
	Front overhang	x(mm)	560
	Wheel base	y(mm)	2000
Weight	Dead weight	kg	7300
	Axle load front/rear(full load)	kg	10800/1500
	Axle load front/rear(no load)	kg	3200/4100
Tire	Tire type	/	Solid tires
	Front tire specifications	/	28*12.5-15
	Rear tire specifications	/	23*9-10
	Front wheel track	b10(mm)	1200
	Rear wheel track	b11(mm)	1120
Performance	Max. travel speed(full load/no load)	km/h	20/20
	Max. lifting speed(full load/no load)	mm/s	450/470
	Lowering speed(full load/no load)	mm/s	450/480
	Traction force(full load/no load)	N	25000
	Gradeability(full load/no load)	%	20/20
	Service brake	/	Hydraulic
	Parking brake	/	Mechanical

Category		Unit	Parameters
Dimensions	Mast tilt angle (front/rear)	α/ β(°)	6/10
	Height when mast is retracted	h1(mm)	2190
	Free lift height	h2(mm)	110
	Lifting height	h3(mm)	3000
	Max. height when mast is raised	h4(mm)	4200
	Height of overhead guard	h6(mm)	2170
	Overall length (to the front end face of forks)	L2(mm)	3150
	Overall width	b1(mm)	1500
	Fork dimensions (thickness/width/length)	s/e/l(mm)	50*150*1070
	Fork spacing	mm	350-1360
	Min. ground clearance at mast	m1(mm)	120
	Min. ground clearance at wheel base	m2(mm)	140
	Stacking aisle (1m×1.2m)	Ast(mm)	4786
	Stacking aisle (0.8m×1.2m)	Ast(mm)	4586
	Min. turning radius	Wa(mm)	2756
Motor battery	Travel motor (S2-60min)	kW	46
	Lifting motor (S3-15%)	kW	46
	Battery voltage / capacity	V/kWh	320/52
	Battery weight	kg	400
Controller	Travel control mode	-	IGBT
	Pressure provided by attachment	Mpa	18





Ast=a+Wa+x+B a: clearance (200 mm)

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