SANY ELECTRIC FORKLIFT
SIX KEY ADVANTAGES

Fast charging

All-weather

Strong power

High intelligence

High efficiency

Easy maintenance



SANY

QUALITY CHANGES THE WORLD

SANY Robotics Technology Co., Ltd.

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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.

SANY FORKLIFT

Tik Tok

www.sanyroboticsglobal.com

SANY

SANY ROBOTICS
PRODUCT FAMILY

Lithium Battery Counterbalance Forklift Lithium Battery Pallet Jack
Automated Forklift AGV Composite Robot Smart Warehousing and Logistics Solutions



SANY: A Global Advanced Equipment Manufacturer

SANY Group Co., Ltd.

SANY Group, founded in 1989, is a world-leading high-end equipment manufacturing enterprise. It boasts three listed companies under its umbrella: Sany Heavy Industry Co., Ltd., Sany International Holdings Ltd., and Sany Heavy Energy Co., Ltd. Its core businesses cover construction machinery, port machinery, coal machinery, wind power equipment, new energy and energy storage, heavy-duty trucks, etc.

Since its establishment, it has created the well-known "SANY" brand in the industry by adhering to the corporate vision of "building a first-class enterprise, cultivating first-class talents, and making first-class contributions". SANY Group has been listed in "Most Admired Chinese Companies" of the Fortune magazine for 17 consecutive times.

Sany Heavy Industry (600031.SH), the core enterprise of SANY Group, was listed on the Shanghai Stock Exchange on July 3, 2003. It was the first enterprise in China to successfully implement and achieve full circulation in the split-share structure reform. In July 2011, SANY Heavy Industry was listed in the FT Global 500 for the first time, being the only Chinese construction machinery enterprise on the list. Through Sany Heavy Industry, the Group wholly owns Putzmeister of Germany, the "world's top brand of concrete machinery," and holds a stake in Palfinger of Austria, a "global giant in truck-mounted cranes". On May 13, 2021, Sany Heavy Industry was included in the Forbes Global 2000 list, ranking 468th. It became one of the top 500 global enterprises for the first time, ranking first among Chinese construction machinery enterprises and second globally on the list. On October 28, 2025, Sany Heavy Industry (6031.HK) was listed on the Hong Kong Stock Exchange, successfully establishing an A+H dual-platform listing structure.

SANY Robotics:
A global expert in integrated smart warehousing and logistics solutions

SANY Robotics Technology Co., Ltd. (hereinafter referred to as "SANY Robotics") focuses on the field of smart warehousing and logistics, dedicated to building a full-chain service system from electric forklifts and automated products to integrated smart warehousing and logistics solutions.

- **Electric forklifts**
  The company independently develops the 1-8T series of electric counterbalance forklifts, as well as pallet jacks for handling, stacking, and other purposes. The C6 high-voltage series, as the star product of counterbalance forklifts and the industry's first high-voltage lithium battery forklift, has brought revolutionary breakthrough to electric forklifts.
- **Smart warehousing and logistics solutions**
  Empower the intelligent and automated transformation and upgrading of warehousing and logistics by integrating intelligent hardware products such as "stereoscopic warehouse, automatic sorting, automatic loading and unloading, and automatic handling", self-developed software platforms like AMS/WMS, and leveraging advanced technologies such as 5G, Industrial Internet and AI.
- **Automated products**
  Automated products include various types of AGVs, composite robots (including photovoltaic panel installation, cargo loading and unloading), and automated forklifts (automated counterbalance forklifts, intelligent-driving handling robots), etc.



Counterbalance Forklift

S Series (Three-Wheel)

SCP16S

Rated load capacity (kg): 1600
Dead weight (kg): 2950
Max. travel speed, laden (km/h): 16
Gradeability, laden (%): 22
Min. turning radius (mm): 1500
Battery (V/Ah#): 96/22



SCP20S

Rated load capacity (kg): 2000
Dead weight (kg): 3325
Max. travel speed, laden (km/h): 16
Gradeability, laden (%): 22
Min. turning radius (mm): 1610
Battery (V/Ah#): 96/22



C Series

SCP20/25C6

Rated load capacity (kg): 2000/2500
Dead weight (kg): 3650/3950
Max. travel speed, laden (km/h): 16
Gradeability, laden (%): 16
Min. turning radius (mm): 2090
Battery (V/Ah#): 96/22



SCP20/25G

Rated load capacity (kg): 2000/2500
Dead weight (kg): 3550/3850
Max. travel speed, laden (km/h): 20
Gradeability, laden (%): 20
Min. turning radius (mm): 2090
Battery (V/Ah#): 192/19.2



SCP30/35C6

Rated load capacity (kg): 3000/3500
Dead weight (kg): 4720/5150
Max. travel speed, laden (km/h): 20
Gradeability, laden (%): 20
Min. turning radius (mm): 2350
Battery (V/Ah#): 294.4/29.4



SCP30/35C7

Rated load capacity (kg): 3000/3500
Dead weight (kg): 5150/5600
Max. travel speed, laden (km/h): 20
Gradeability, laden (%): 25
Min. turning radius (mm): 2350
Battery (V/Ah#): 294.4/29.4



SCP40C6

Rated load capacity (kg): 4000
Dead weight (kg): 5855
Max. travel speed, laden (km/h): 20
Gradeability, laden (%): 20
Min. turning radius (mm): 2450
Battery (V/Ah#): 320/52



SCP40C7

Rated load capacity (kg): 4000
Dead weight (kg): 5985
Max. travel speed, laden (km/h): 20
Gradeability, laden (%): 20
Min. turning radius (mm): 2450
Battery (V/Ah#): 320/52



SCP50C6

Rated load capacity (kg): 5000
Dead weight (kg): 7300
Max. travel speed, laden (km/h): 20
Gradeability, laden (%): 20
Min. turning radius (mm): 2756
Battery (V/Ah#): 320/52



SCP80C6

Rated load capacity (kg): 8000
Dead weight (kg): 11700
Max. travel speed, laden (km/h): 20
Gradeability, laden (%): 20
Min. turning radius (mm): 3200
Battery (V/Ah#): 386/712.2



F Series

SCP30/35F1

Rated load capacity (kg): 3000/3500
Dead weight (kg): 4670/5100
Max. travel speed, laden (km/h): 16
Gradeability, laden (%): 16
Min. turning radius (mm): 2350
Battery (V/Ah#): 96/22



SCP20/25F7

Rated load capacity (kg): 2000/2500
Dead weight (kg): 3650/3950
Max. travel speed, laden (km/h): 20
Gradeability, laden (%): 20
Min. turning radius (mm): 2100
Battery (V/Ah#): 96/22



SCP30/35F7

Rated load capacity (kg): 3000/3500
Dead weight (kg): 4670/5100
Max. travel speed, laden (km/h): 16
Gradeability, laden (%): 16
Min. turning radius (mm): 2350
Battery (V/Ah#): 96/22



Pallet Jack

Pallet Jack



SCB15W/20W

Walkie Electric Forklift (Economy Model)

Rated load capacity (kg): 1500/2000
Dead weight (including battery) (kg): 143/145
Lift height (mm): 116
Turning radius (mm): 1350
Battery (V/Ah): 48/10 | 48/15



SCB20L

Walkie Electric Forklift (Standard Model)

Rated load capacity (kg): 2000
Dead weight (including battery) (kg): 450
Lift height (mm): 120
Turning radius (mm): 1518
Battery (V/Ah): 24/200



SCB20/25/30A6

Electric Pallet Jack

Rated load capacity (kg): 2000/2500/3000
Dead weight (including battery) (kg): 650/660/660
Lift height (mm): 120
Turning radius (platform folded/unfolded) (mm): 1650/2060
Battery (V/Ah): 48/100

Pallet Stacker



SCD15W

Electric Stacker (Economy Model)

Rated load capacity (kg): 1500
Dead weight (including battery) (kg): 590
Lift height (mm): 3000
Turning radius (mm): 1360
Battery (V/Ah): 48/67



SCD16L

Electric Stacker (Standard Model)

Rated load capacity (kg): 1600
Dead weight (including battery) (kg): 1030
Lift height (mm): 3000
Turning radius (mm): 1510
Battery (V/Ah): 24/200



SCD16/20A6

Electric Pallet Stacker

Rated load capacity (kg): 1600/2000
Dead weight (including battery) (kg): 1350/1400
Lift height (mm): 3000
Turning radius (mm): 1595/2035
Battery (V/Ah): 48/100

Automated Forklift

Indoor and Outdoor Automated Counterbalance Forklift

1.5t Automated Counterbalance Forklift (Indoor)

Rated load (kg): 1500
Positioning accuracy: ≤±10mm, ±1°
Navigation mode: **Laser Slam/reflector**
Dimensions (mm):
3265×1170×2200
Lifting height (mm): 1600
Turning radius (mm): 1730



2t Automated Counterbalance Forklift (Indoor)

Rated load (kg): 2000
Positioning accuracy: ≤±10mm, ±1°
Navigation mode: **Laser Slam/reflector**
Dimensions (mm):
4080x1211x2300
Lifting height (mm): 3000
Turning radius (mm): 1800



2t Automated Counterbalance Forklift

Rated load (kg): 2000
Positioning accuracy: ≤±10mm, ±1°
Navigation mode:
3D laser Slam/3D laser Slam + RTK
Dimensions (mm):
2660x1230x2260
Lifting height (mm): 3000-6000
Turning radius (mm): 2550



2.5t Automated Counterbalance Forklift

Rated load (kg): 2500
Positioning accuracy: ≤±10mm, ±1°
Navigation mode: **3D laser Slam/3D laser Slam + RTK**
Dimensions (mm):
2660x1230x2260
Lifting height (mm): 3000-6000
Turning radius (mm): 2550



4t Automated Counterbalance Forklift

Rated load (kg): 4000
Positioning accuracy: ≤±10mm, ±1°
Navigation mode: **3D laser Slam/3D laser Slam + RTK**
Dimensions (mm):
3000x1310x2260
Lifting height (mm): 3000-7000
Turning radius (mm): 2850



Automated Stacking Forklift

1.4t Slim

Automated Stacking Forklift

Rated load (kg): 1400
Positioning accuracy: ≤±10mm, ±1°
Navigation mode:
Laser Slam/reflector
Dimensions (mm):
1700x980x2035
Lifting height (mm): 1600
Turning radius (mm): 1200



2t Stacking Forklift

Automated Forklift

Rated load (kg): 2000
Positioning accuracy: ≤±10mm, ±1°
Navigation mode:
Laser Slam/reflector
Dimensions(mm):
2960×1120×2200
Lifting height(mm): 2500
Turning radius(mm): 1665



2t Straddle Model

Automated Forklift

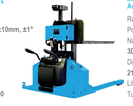
Rated load (kg): 2000
Positioning accuracy: ≤±10mm, ±1°
Navigation mode:
Laser Slam/reflector
Dimensions(mm):
2277×2176×2200
Lifting height(mm): 2500
Turning radius(mm): 1815



3t Stacking Forklift

Automated Forklift

Rated load (kg): 3000
Positioning accuracy: ≤±10mm, ±1°
Navigation mode:
Laser Slam/reflector
Dimensions(mm):
2419×1369×2200
Lifting height(mm): 2500
Turning radius(mm): 1800



1.6t Stacking Forklift

Intelligent-Driving Model A7/ Automated Model A8

Rated load (kg): 1600
Positioning accuracy: ≤±10mm, ±1°
Navigation mode:
3D laser Slam/reflector
Dimensions(mm):
2120x960x2560
Lifting height(mm): 2500-3600
Turning radius(mm): 1670



2t Stacking Forklift

Intelligent-Driving Model A7/ Automated Model A8

Rated load (kg): 2000
Positioning accuracy: ≤±10mm, ±1°
Navigation mode:
3D laser Slam/reflector
Dimensions(mm):
2120x960x2560
Lifting height(mm): 2500-3600
Turning radius(mm): 1670



Automated Forklift

2t Slim

Automated Forklift

Rated load (kg): 2000
Positioning accuracy: ≤±10mm, ±1°
Navigation mode:
Laser Slam/reflector
Dimensions (mm):
1625×1044×2200
Lifting height (mm): 200
Turning radius (mm): 1343



3t Forklift

Automated Forklift

Rated load (kg): 3000
Positioning accuracy: ≤±10mm, ±1°
Navigation mode:
Laser Slam/reflector
Dimensions (mm):
2270x800x2200
Lifting height (mm): 200
Turning radius (mm): 1810



2t Forklift

Intelligent-Driving Model A7/ Automated Model A8

Rated load (kg): 2000
Positioning accuracy: ≤±10mm, ±1°
Navigation mode:
3D laser Slam/reflector
Dimensions (mm):
2170x960x2330
Lifting height (mm): 120
Turning radius (mm): 1700/2060



2.5t Forklift

Intelligent-Driving Model A7/ Automated Model A8

Rated load (kg): 2500
Positioning accuracy: ≤±10mm, ±1°
Navigation mode:
3D laser Slam/reflector
Dimensions (mm):
2170x960x2330
Lifting height (mm): 120
Turning radius (mm): 1700/2060



3t Forklift

Intelligent-Driving Model A7/ Automated Model A8

Rated load (kg): 3000
Positioning accuracy: ≤±10mm, ±1°
Navigation mode:
3D laser Slam/reflector
Dimensions (mm):
2170x960x2330
Lifting height (mm): 120
Turning radius (mm): 1700/2060



AGV

Unit Load AGV

600kg Unit Load AGV

Rated load (kg): 600
Positioning accuracy: ≤±10mm, ±1°
Navigation mode:
Laser Slam/QR code
Dimensions (mm):
894x634x275
Lifting height (mm): 60
Rotation diameter (mm): 1096



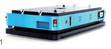
1t Unit Load AGV

Rated load (kg): 1000
Positioning accuracy: ≤±10mm, ±1°
Navigation mode:
Laser Slam/QR code
Dimensions (mm):
1090x820x256
Lifting height (mm): 60
Rotation diameter (mm): 1365



2t Unit Load AGV

Rated load (kg): 2000
Positioning accuracy: ≤±10mm, ±1°
Navigation mode:
Laser Slam/QR code
Dimensions (mm):
1450x1050x380
Lifting height (mm): 100
Rotation diameter (mm): 1791



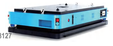
3t Unit Load AGV

Rated load (kg): 3000
Positioning accuracy: ≤±10mm, ±1°
Navigation mode:
Laser Slam/magnetic stripe
Dimensions (mm):
2047x1247x470.5
Lifting height (mm): 120
Rotation diameter (mm): 2397



5t Unit Load AGV

Rated load (kg): 5000
Positioning accuracy: ≤±10mm, ±1°
Navigation mode:
Laser Slam/magnetic stripe
Dimensions (mm):
2710x1560x450
Lifting height (mm): 100
Rotation diameter (mm): 3127



10t Unit Load AGV

Rated load (kg): 10000
Positioning accuracy: ≤±10mm, ±1°
Navigation mode:
Laser Slam/magnetic stripe
Dimensions (mm):
4470x2080x598
Lifting height (mm): 0
Rotation diameter (mm): 4931

Lithium battery AGV

1.5t Double V-Block AGV

Rated load (kg): 1500
Positioning accuracy: ≤±10mm, ±1°
Navigation mode:
Laser Slam/magnetic stripe
Dimensions (mm):
2100x1600x1645
Lifting height (mm): 720
Rotation diameter (mm): 2641

2t Double V-Block AGV

Rated load (kg): 2000
Positioning accuracy: ≤±10mm, ±1°
Navigation mode:
Laser Slam/QR code/magnetic stripe
Dimensions (mm):
1650x1750x1220
Lifting height (mm): 590
Rotation diameter (mm): 2406

3.5t Double-V-Block AGV

Rated load (kg): 3500
Positioning accuracy: ≤±10mm, ±1°
Navigation mode:
Laser Slam/QR code/magnetic stripe
Dimensions (mm):
2200x1600x1591
Lifting height (mm): 200/900
Rotation diameter (mm): 2721

1.5t lithium battery unit load AGV

Rated load (kg): 1500
Positioning accuracy: ≤±10mm, ±1°
Navigation mode:
Laser Slam/QR code
Dimensions (mm):
1196x915x680
Lifting height (mm): 60
Rotation diameter (mm): 1506

Composite Robot

Automated PV Panel Installation Robot

Installation rate (panels/hour): 80
Placement accuracy (mm): ±10
Maximum gradeability: 30°
Operating speed (km/h):
High speed of 4 km/h and low speed of 2 km/h
Non-destructive installation: 100%
Operating time:
Around the clock (24h a day)

Smart Warehousing and Logistics Solutions