SEER ROBOTICS

Laser SLAM Stacker Automatic Forklift
SNS-2000EU
Medium & High-Level Stacking, CE Certified

CE Certified, Cost-Effective Choice

Having passed CE certification (compliant with ISO3691-4:2023 standard) and other relevant certifications, it offers outstanding performance coupled with high cost-effectiveness.

AI Deep Learning Enhanced, Upgraded Recognition Capability

It excels in multi-angle precise recognition of pallets, racks, and cages of different colors and sizes with exceptional adaptability, achieving seamless and stable loading/unloading operations.

2T Stacking Capacity, Flexible Application

Boasting a maximum load capacity of 2 tons, it supports two fork lifting heights up to 5000 mm. With a robot width of only 1018 mm and a minimum turning radius of just 1545 mm, it navigates effortlessly through narrow aisles.

Upgraded Adaptability: Multiple Navigation Modes & Sensors

Supporting 360° wide-range scanning, it offers optional 2D/3D laser navigation and is equipped with various sensors such as 3D obstacle avoidance scanners, distance sensors, and pallet recognition cameras, making it suitable for diverse operating scenarios.

2-Hour Fast Charging, 8-Hour Endurance

Paired with a 24V/210Ah battery, it achieves up to 8 hours of continuous operation with just 2 hours of automatic charging, ensuring prolonged stable work performance.

4 Customization Dimensions, Flexible Demand Fulfillment

Provides customized services for fork width, robot height, color, and logo, tailoring solutions to meet the diverse requirements of your unique business scenarios.

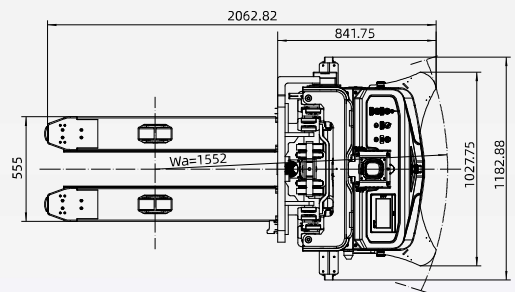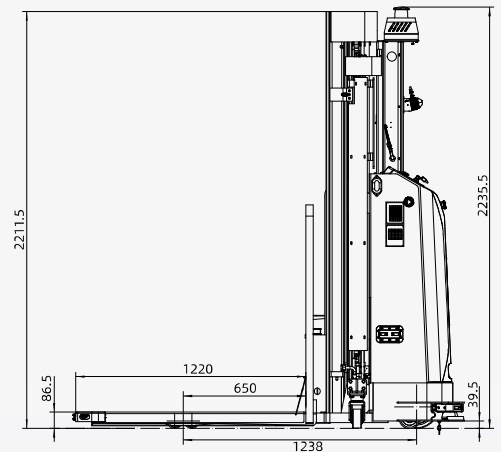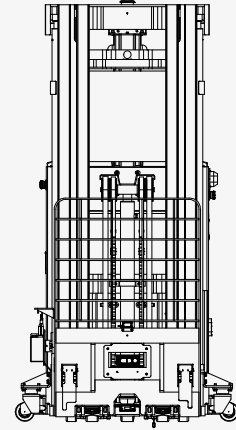|		
● standard ○ optional		
Product model	SNS-2000EU	
Certification	CE;ISO 3691-4;EMC;UN38.3	
Basic parameters	Navigation type	Laser SLAM
	Pallet type	Open pallet
	Rated load capacity	2000 kg
	Load center distance	600 mm
	Weight (with battery)	1340 kg
	Standard lifting height	5000 mm
	Forklift dimensions: L x W x H	2072 x 1018 x 2235 mm
	Fork dimensions: L x W x H	1220 x 180 x 85±5 mm
	Fork outer width	555 mm
	Right-angle stacking aisle width, pallet 1000×1200 (1200 placed along the fork)	2545 + 200 mm
	Right-angle stacking aisle width, pallet 800×1200 (1200 placed along the fork)	2485 + 200 m
	Right-angle stacking aisle width, pallet 1000×1000 (1000 placed along the fork)	2435 + 200 mm
	Minimum turning radius	1545 + 200 mm
Performance parameters	Driving speed: full load / no load	1.2 / 1.5 m / s
	Passability (slope / step / gap)	< 5 % / 10 mm / 30 mm
	Navigation position accuracy	±10 mm
	Navigation angle accuracy	±0.5°
Battery parameters	Battery specifications	24 V / 210 Ah
	Comprehensive battery life	8 h
	Charging time (10% to 80%)	2 h
	Charging method	Manual / Automatic
	Lidar number	1 (P+F R2000) + 3 (SICK nanoScan3 HV)
	Wi-Fi roaming	●
	3D obstacle avoidance	●
	Pallet recognition	●
	Cage stack	●
	High shelf pallet recognition	●
	Pallet stack	●
	HMI display	●
Safety configurations	E-stop button	●
	Sound and light indicator	●
	Braking distance: 1 m/s / 1.5 m/s	≤30 cm / ≤50 cm
	360° laser protection	●
	Fork height protection	●