

Load Type



# Safety SEER OneFork **SOF-300EU**

## CE Safety Certification, Flexible and Efficient



### CE Certification, Safety Guaranteed

The vehicle has passed the CE safety certification (ISO3691-4:2023) and other related certifications, ensuring safer operation.



### Vehicle Body Width: 500 mm, Designed for Narrow Aisles

The vehicle width is 500 mm, and the rotation radius is 804 mm, perfectly suited to narrow aisle scenarios. The ground clearance of the vehicle chassis is a mere 20 mm, enabling it to effortlessly pass through scenes like elevators.



### AI Carrier Recognition, Precise and Efficient

Equipped with a depth recognition camera, it supports real-time AI carrier recognition. Even in scenarios where the cargo is placed on a tote dolly without fixed grooves and the QR code, our truck can still precisely and efficiently pick up and drop off goods.



### Modular Design, Flexible Customization

The modular design and assembly enable the customization of the size of the forks and the robot based on demand. It is capable of adapting to various scenarios and meeting different demands.



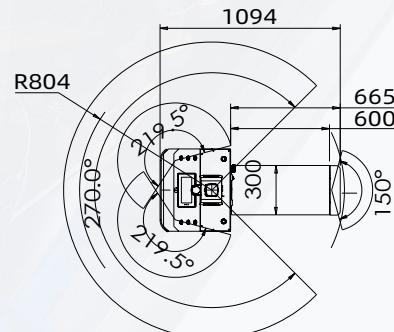
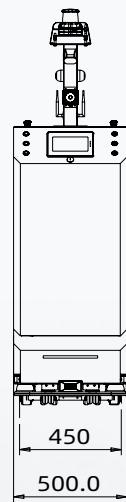
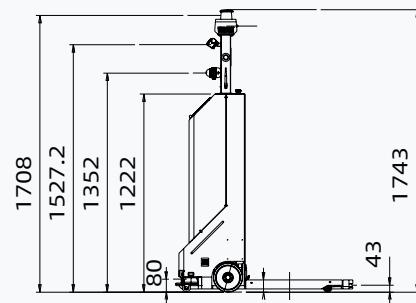
### Multiple Sensors, 360° Safety Assurance

Built-in safety obstacle avoidance lasers, 3D obstacle avoidance cameras, bumper strips, and photoelectric sensors, among various multiple safety sensors, providing 360° safety protection.

● Standard ○ Optional



Product model		SOF-300EU
Operation type	Automatic navigation	
Navigation type	Laser SLAM	
Pallet type	Tote dolly / shelf	
Rated load capacity	300 kg	
Load center distance	465 mm	
Basic parameters	Weight (with battery)	230 kg
	Standard lifting height	70±5 mm~90±5 mm (default 70 mm)
	Forklift dimensions: L x W x H	1094 x 500 x 1743 mm
	Fork dimensions: L x W x H	600 x 300 mm
	Minimum turning radius	804 mm
	Ambient temperature and humidity range	TEMP: 0°C to 50°C / RH: 10% to 90%, no compression, no condensation
Performance parameters	Driving speed: full load / no load	0.8 / 1.4 m/s
	Passability (slope / step / gap)	< 3% / 2 mm / 5 mm
	Navigation position accuracy	±10 mm
	Navigation angle accuracy	±1°
Battery parameters	Battery specifications	48 V / 23 Ah (lithium iron phosphate)
	Comprehensive battery life	6 h
	Charging time (10% to 80%)	1 h
	Charging method	Manual / Automatic
Function configurations	Lidar number	1 (P+F R2000)+2 (SICK / nanoScan3 Hv)
	Wi-Fi roaming	●
	3D obstacle avoidance	○
	Pallet recognition	○
	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	●
	Bumper strip	●
	Fork height protection	●
Certifications	ISO 3691-4	●
	EMC	●
	UN38.3	●
	RED	●
	Global series	Yes
	Product series	SEER One Fork Truck



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