
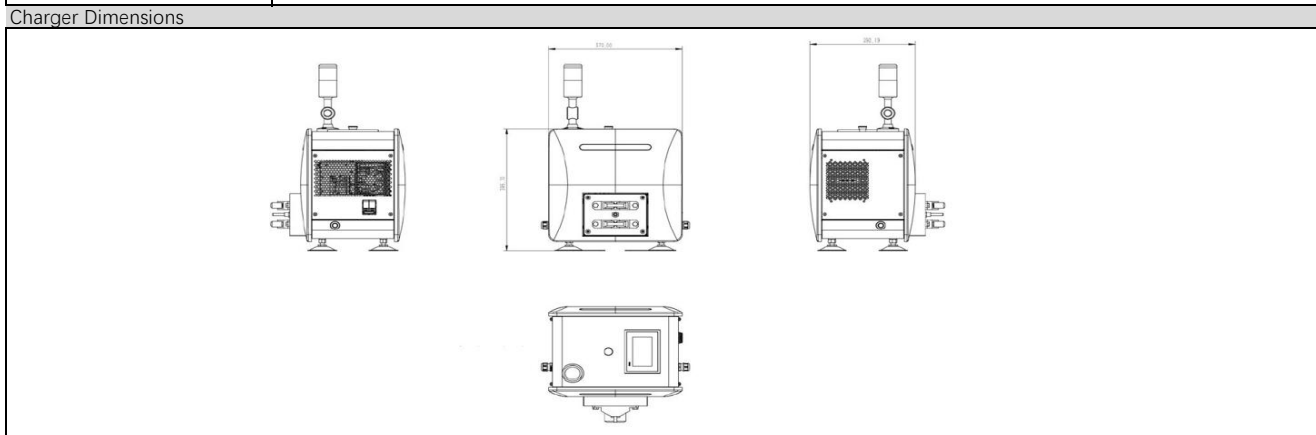


ATEAGO L1 Automatic Unmanned Forklift Pallet Mover Pallet Stacker		
Photo		
Basic Specs	Rated load(Q)	2000kg
	Vehicle weight (including battery)	370kg
	Overall vehicle length (including safety edge)(L1)	1645mm
	Overall vehicle width (including safety edge) (b1)	850mm
	Navigator bracket reference height (h2)	1890mm
	Load center distance(c)	600mm
	Load distance(X)	865mm
	Wheelbase(y)	1150mm
Fork	Fork dimensions(l/e/s)	1150/170/60mm
	Fork outer distance(b6)	680mm is standard, can be customized in various sizes such as 680, 600, 540, etc.
	Lift height(h3)	205mm
	Minimum ground clearance of the fork surface(h6)	85mm
	Minimum ground clearance (when fork is raised)(m1)	40mm
Moving performance	Right-angle stacking aisle width (for 1000×1200 pallet) 1200 across fork direction C500(Ast)	1975+200mm(safety distance)
	Right-angle stacking aisle width (for 1000×1200 pallet) 1200 along fork direction C600 (Ast)	1960+200mm(safety distance)
	Turning radius (including safety edge)(Wa)	1360mm
	Travel speed, fully loaded/empty	1.0/1.5 m/s
	Lift speed, fully loaded/empty	40/50 mm/s
	Descent speed, fully loaded/empty	50/40 mm/s
	Maximum climbing ability, fully loaded/empty(S2-5r)	3%/5%
	Navigation	Free/Track/Hybrid/Follow-me
	Whether to support outdoor operation	Supports use within qualified campuses
	Positioning accuracy	±5(mm)/±1(°)
Tire	Braking method	Electromagnetic
	Tire type, drive side/load side	Polyurethane
	Tire size, load side	φ80*70mm
	Tire size, drive side	φ210*75mm
	Balance wheel	φ72*23mm
	Number of wheels, front/rear (x=drive wheels)	1x+4/4
	Wheel base, drive side(b3)	470
Drive	Wheel base,load side(b3)	520
	Drive motor power (servo motor)	1 kw
	Lifting motor power, (S3-10%) (DC compound excitation)	0.8 kw
	Steering system	Electric steering (servo)
Usage environment	Steering motor (servo motor)	0.4 kw
	Waterproof and dustproof level	Whole vehicle IP43
	Working temperature	-10°C~65°C; Anti UV; Anti-corrosion
	Storage temperature	-20°C~65°C
Display & Touch	Charging temperature	5~40°C (Indoor)
	10.1-inch screen, resolution 1280*800	

Network communication	4G	Support,FDD B1/B3/B5/B8,TDD B38/39/30/41
	5G	Supported, 5G module needs to be customized and installed
	Data quota	2G/month per robot
	WIFI	Wifi module (AP6256) 2.4G&5GHz, supports 802.11a/b/g/n/ac protocol
	Bluetooth	Bluetooth 5.0, BLE
OS	Android 11+ Linux(Ubuntu)	
Sensor	Navigation lidar*1	Detection range: 360°, detection distance: 0.05 ~ 40m
	Obstacle avoidance lidar*2	Detection range: 200°, detection distance: 0.05 ~ 40m
	Fork tip obstacle avoidance lidar*1	Detection range: 180°, detection distance: 0.05 ~ 12m
	Depth camera*2	FOV: H 72°(±3°) V 50.5°(±3°), detection distance: 0.3 ~ 4m
	RGB camera*2	215°FOV, resolution 1280*720
	IMU	6DOF; rate dynamic range: ±2000dps; accuracy: 0.01 degrees
	Wheel speedometer	odometer
Charging & battery life	Battery	Charging voltage: 48V
		Capacity: 50Ah
		Battery life: 6-8 hours
		Deploying charging piles can achieve 7*24h service
		Charging method: automatic/manual
		Battery weight: 55kg
	Charging Pile	0%-100% charging time: 1.6 hours
		For details about charging piles, please see the "Charging Piles" table
		H*W*D: 370mm*292mm*395mm
		Weight: 30kg
Control	Chassis CPU	ARM® Quad-core Cortex-A76 2.4Ghz + ARM® Quad-core Cortex-A55 1.8Ghz
	Screen CPU	ARM® Quad-core Cortex-A55 2.0Ghz
	Chassis GPU	Mali-G610
	Screen GPU	Mali-G52
	Chassis memory	RAM: 8GB dual-channel LPDDR4; ROM: 64GB high-speed eMMC
	Screen memory	RAM: 2GB dual-channel LPDDR4; ROM: 16GB high-speed eMMC
	Image process	Support OpenGL ES 1.1/2.0/3.0, OpenCL1.2, Directx11
		Embedded high-performance 3D acceleration hardware
		H.264/H.265/VP9 up to4Kx2K@60fps H.264/H.265 decoder supports 10bit decoding
		1080P multi-format video decoding, supporting H.264, VP8 and MVC
Interaction	Indicator light	LED
	Loudspeaker	2
	Emergency stop button	2
Safety	Bumper	Front
External device	External device	Elevator control, automatic doors control, notification lights and speakers, pagers, Pads, following bracelets, rollers, shelves, pallets
Platform	WeChat、APP	WeChat remote management, the mini program can realize functions such as issuing robot task instructions, editing map functions, and visualizing task statistics, without downloading and installation.
	Robot management big data cloud platform	Permission allocation and business management of robot users; operational data analysis
	Remote monitoring platform	Real-time status monitoring of robots; real-time alarm and remote processing of faults;
	Remote deployment management platform	Remote deployment can be realized, and the robot remotely scans and edits the map.
	Remote dispatch management platform	Remote cross-space scheduling
	Real-time data visualization large screen	Display the real-time status and operational statistical analysis of robots under different businesses

ATEAGO 48V30A Intelligent Forklift Charger

Photo	
Electrical Parameters	
Input Voltage	Single 220Vac, ±20%
Input Voltage Frequency	50/60Hz, ±5Hz
Charging Voltage	32~64Vdc
Charging Current	1~30A
Charging Power	1.5kW
Efficiency	≥ 92%@220Vac50-100%Load (Max. over 93%)
Power Factor	≥ 0.95@220Vac50-100%Load
Harmonic Current THD	≤ 5%
Voltage Regulation Accuracy	≤ ±1%
Current Regulation Accuracy	≤ ±1%
Input/Output Interfaces	
Input Power Cord	16A National Standard AC power cord, 3 meters (including internal wiring length)
Automatic Charging Interface	100A copper-made two-pole brush block
Manual Charging Interface	50A Anderson connector, gray, 3 meters (including internal wiring length)
Communication Ports	
BMS Communication	None
Reserved Ports	CAN Bus (can communicate with battery) RS485 port (optional Wi-Fi module) Ethernet port (for backend system integration)
Human-Machine Interface	
Touch Screen	4.3 inches
Indicator Lights	Green: Standby/Full Yellow: Charging Red: Fault
Mechanical Parameters	
Installation	Floor-mounted
Dimensions (H*W*D)	370mm*292mm*395mm
Brush Block Stroke	No extension (customizable)
Brush Block Ground Clearance	130mm height, adjustable ±30mm via foot cups
Protection Level	IP20
Cooling Method	Forced air cooling
Environmental Parameters	
Operating Temperature	-20°C ~ 45°C
Storage Temperature	-40°C ~ 70°C
Operating Humidity	0 ~ 95%, non-condensing
Altitude	≤ 2000m
Protection Features	
Emergency Stop Button	Press to stop charging, rotate to reset
Leakage Protection	AC-type leakage protection
Communication Interrupt Protection	When CAN communication charging is set, charging stops after 5s if communication is interrupted or times out
General Protections	Input over/under voltage protection, output over-voltage protection, output over-current protection, short-circuit protection, grounding protection, over-temperature protection, brush block motor stall protection, battery anti-reverse protection



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