

Contact Charging

2400W 24V/48V Stationary Charger

ATOMBOTIX



Comprehensive Protection



Overvoltage, undervoltage, overcurrent, over-temperature protection

Wide Compatibility



Broad input voltage range of 220VAC $\pm$ 15%

Flexible Charging



Supports blind charging and one-to-many chargings

Customizable Options



48V output with 100A and 200A, or 3phase 380V input

High Efficiency



92% power efficiency

Optimized for AGV & AMR



Specially designed for AGV and AMR applications

Model	AB-CC2-24V100A	AB-CC2-48V50A
Electrical Parameters		
Rated Input Voltage	220VAC $\pm$ 15%	
Input Voltage Range	Single - phase three-wire system	
Input Current Range	<16 A	<16 A
Rated Output Power	2.4 kW	2.4 kW
Rated Output Current	100 A	50 A
Output Voltage Range	16VDC - 32VDC	30VDC - 65VDC
Adjustable Current Limiting Range	0 - 100 A	0 - 50 A
Peak Noise	$\leq$ 1%	
Voltage Regulation Accuracy	$\leq$ $\pm$ 0.5%	
Current Sharing	$\leq$ $\pm$ 5%	
Efficiency	$\geq$ 92%	
Frequency	50 Hz - 60 Hz	
Power Factor (PF)	$\geq$ 0.99	
Current Distortion (HD1)	$\leq$ 5%	

Essential Parameters

BMS Communication Mode	CAN
BMS Connection Mode	CAN-WIFI, CAN wired connection for brush board
Dispatching Communication Mode	Modbus TCP, Modbus AP
Dispatching Connection Mode	Modbus-WIFI, Ethernet
Network Frequency Band	2.4G, 5.8G
AGV Automatic Charging Positioning Mode	Reflected infrared rays or opposed infrared rays
Starting Mode	Infrared ray, Modbus, CAN-WIFI
AGV Brush Board Parameters	Optional
Charging Mode	Charger telescoping, AGV active contact
Heat Dissipation Mode	Forced air cooling
The Telescopic Stroke of the Charger	200mm
The Positioning Distance of the AGV	165mm - 325mm
AGV Brushing Center	90mm - 400mm
Height From the Ground	
Overall Dimensions (all-in-one machine)	540(H)×580(W)×390(D) mm
Net Weight	35 Kg
IP Ratings	IP20
Protection	Short-circuit protection, overcurrent protection, overvoltage protection, reverse connection protection, and current backflow protection.

Environmental Parameters

Working Environment	Indoor
Working Temperature	-20°C to 65°C, outputs at a derated level at 45°C to 65 °C,
Storage Temperature	-40°C - 75°C
Humidity	0 - 95%

