

Contact Charging

SCC-Split-type Compact Charger



Flexible Charging



Supports blind charging

High Efficiency



92% power efficiency

Comprehensive Protection



Overvoltage, undervoltage, overcurrent, over-temperature protection

Wide Compatibility



Broad input voltage range of 187-253V

Customizable Options



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

Optimized for AGV & AMR



Specially designed for AGV and AMR applications

Model	AB-SCC-4800-24	AB-SCC-4800-48	AB-SCC-2400-24	AB-SCC-2400-48
Rated Input Voltage	220VAC±15%			
Input Voltage range	Single-phase three-wire system			
Input Ccurrent Range	<30 A		<16 A	
Rated Output Power	4.8 kW		2.4kW	2.4kW
Rated Output Current	200 A	100 A	100 A	50 A
Output Voltage Range	16 -32 VDC	32 -60 VDC	16 - 32 VDC	32 - 64 VDC
Adjustable Range of Current Limiting	0-200 A	0-100 A	0 - 100 A	0 - 50 A
Peak Noise	≤1%			
Voltage Regulation Accuracy	≤±0.5%			
Stable Current	≤±5%			
Efficiency	≥92%			
Frequency	50 - 60 Hz			
Power Factor (PF)	≥0.99			
Current Distortion (HD1)	≤5%			
Essential Parameters				
BMS Communication Mode	CAN			
BMS Connection Method	CAN-WIFI, CAN Wired Board Flashing Connection			
Scheduling Communication Mode	Modbus TCP, Modbus AP			
Scheduling Connection Mode	Modbus-WIFI, Ethernet			
Network Frequency Band	2.4G, 5.8G			
Startup Mode	Infrared, Modbus, CAN-WIFI			
AGV Brush Plate Parameters	Customer provides drawings and Aipula standards			
Charger Structure Mode	Split unit			
Charging Method	Charger telescoping, AGV active contact			
Supports manual REMA Charging	Optional (REMA wiring definition diagram needs to be provided)			
Heat Dissipation Method	Forced air cooling			
Telescopic Stroke of the Charger	200 mm			
Positioning Distance of AGV	165 - 325 mm			

AGV Brush Plate Center Ground Clearance Height	150 mm - Unlimited	
External Dimensions (Control Chassis)	351(H)×215(W)×447(D) mm	264(H)×229(W)×400(D) mm
Net Weight (Control Chassis)	23 kg	13 kg
External Dimensions (Telescopic Chassis)	580(H)×253(W)×695(D)	
Net Weight (Telescopic Chassis)	18 kg	
IP Ratings	IP20	
Protection	Short circuit, overcurrent, overvoltage, reverse connection, and current backflow protection	
Environmental Parameters		
Working Temperature	-20℃ - 45℃ for normal operation; 45℃ - 65℃ for derated output; above 65℃ for shutdown protection	
Storage Temperature	-40℃- 75℃	
Relative Humidity	0 - 95%	

