

Automatic Charging System for AGV

420kW / 480kW

Fleet | Highway | Stations

- The automatic charging robotic arm can achieve fully automatic insertion and extraction to achieve high-power automatic charging of AGVs or IGVs.
- IP55, three-proof paint coating process, moisture-proof, mold-proof, salt spray-proof ensure stable quality of charging equipment.

Mainly applied in automatic sea port

The whole system is composed of smart charging station, ground charging connection device, onboard connection device composed whole system.

Technical Specification

OUTLET OPTIONS	
Max DC output power rating	323~437VAC
Input voltage range	400 VAC + /- 15% (45 Hz~65 Hz)
Connector types	3P + N + PE
Input DC power rating(MAX)	784A/Input 380VAC/Full load/per phase
Power factor (full load)	≥0.99
THDi	< 5%
DC output voltage	200~1000VDC
Outlet current	1000A
Efficiency	> 95% (peak)
Standby power	< 50W*N (Plug)
Protection	OVP, OCP, OPP, OTP, UVP, SCP, LVP, Residual current detection, Surge protection, Door Access , RCD Protection
Control system power	AC220V/5kW
Adjusting precision	Left and right direction compensation: ±100mm Up and down direction compensation: +20~-50mm Angle compensation: 5°
GENERAL CHARACTERISTICS	
Delivery efficiency	≥94%
Communication mode	3G/4G
Low voltage auxiliary power supply	12V/24V
Stand-by power consumption	≤N×50 W
Charging guns	Single gun / Dual gun
IP and IK rating	IP55
Dimensions (W x D x H)	1600mm*850mm*2000mm 1817mm*600mm*1000mm
Three-guard protection	Anti-moisture, anti-mildew, anti-salt spray
Humidity	Forced air cooling
Noise	≤65dB