

CREFORM AGV WIRELESS OPPORTUNITY CHARGING SYSTEM



Innovate your automated guided vehicle (AGV) operations with Creform's wireless auto charging system. Designed to enhance efficiency and reduce downtime, our wireless charging solution ensures your AGVs are always ready for action.

Key Features

- **Opportunity Charging:** Charges vehicle in-line, it does not have to leave the line to charge
- **Wireless Charging Technology:** State-of-the-art inductive charging for seamless energy transfer
- **High Efficiency:** Optimal power conversion ensures quick and reliable charging
- **Safety:** Built-in safety mechanisms to prevent overheating and overcharging
- **Durable Design:** Rugged construction suitable for industrial environments
- **Easy Integration:** Compatible with a wide range of AGV models and existing infrastructures
- **Smart Charging Management:** Real-time monitoring and control via an intuitive interface

Benefits

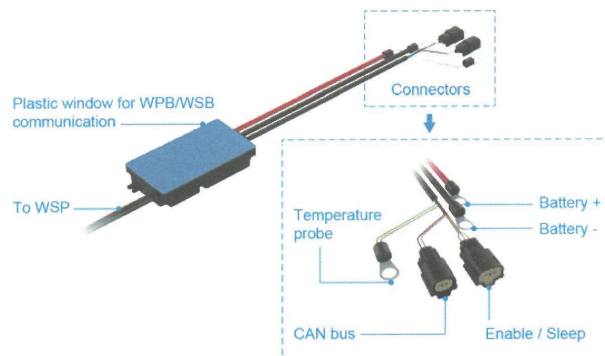
- **Reduced Downtime:** Minimize the need for manual battery charges and maximizes AGV uptime
- **Maintenance-Free:** No physical connectors mean less wear and tear, reducing maintenance costs – no copper wear plates
- **Enhanced Flexibility:** AGVs can charge at any designated station without precise docking, improving operational flexibility
- **Scalability:** Easily expand your charging infrastructure as your fleet grows all while charging any battery type
- **Energy Efficiency:** Lower energy consumption compared to traditional charging methods
- **Lower cost** than other charging methods

Applications

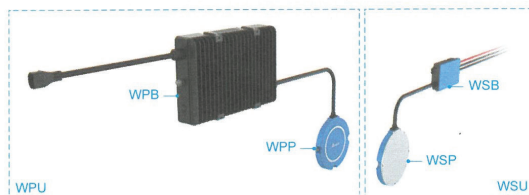
- Keep your AGVs charged and ready for continuous operation in logistics and warehousing
- Enhance production line efficiency with reliable and fast wireless charging
- Ensure retail AGVs maintain peak performance for inventory management and customer service

CREFORM AGV WIRELESS OPPORTUNITY CHARGING SYSTEM SPECIFICATIONS

Parameter	Details
AC input voltage	100-240V
Maximum AC input current	12A
DC output nominal voltage	24V
DC output voltage range	12-30V
Maximum charge current	41.7A
Page air gap range	0-20mm (.8in)
Maximum misalignment	20mm (.8in)
Peak efficiency	92% (24V)
Operating temperature	-4-122°F, -20-50°C
Output protection	Over voltage, over current, short circuit, reverse connection
Charge modes	CANbus, multi-stage charge profile
Safety standards	UL, CE, ISO 9001
Weight	5kg (charging pad)
Monitoring	Real-time status, alerts and reports
Battery type	TPPL, AGM and Lithium-ion



WPU: CHARGER SIDE
WIRELESS PRIMARY UNIT
 WPU PRODUCES THE MAGNETIC FIELD



WSU: AGV SIDE
WIRELESS SECONDARY UNIT
 WSP ACCEPTS THE MAGNETIC FIELD

Instructions

1. Installation: Place the charging pad at designated charging stations within your facility.
2. Integration: Connect the system to your AGV's power management unit.
3. Operation: AGVs will automatically align and begin charging when positioned over the pad.
4. Monitoring: Use the provided software interface to monitor charging status and performance.

Optimize your AGV operations with Creform's wireless auto charging solution. Contact us today to learn more and see how we can help you achieve greater efficiency and reliability in your automated processes.

ISO 9001:
2015 CERTIFICATION

CREFORM® **MATERIAL HANDLING SYSTEMS**

www.creform.com
 800-839-8823

Greer, South Carolina
 Ph 864-989-1700 • Fax 864-877-3863
SCsales@creform.com

Novi, Michigan
 Ph 248-926-2555 • Fax 248-668-6650
MIsales@creform.com

Georgetown, Kentucky
 Ph 502-863-4506 • Fax 502-530-1310
SCsales@creform.com