

GRAVITI

CHARGING SOLUTIONS

PRODUCT CATALOGUE



RESEARCH AND DEVELOPMENT

We support a seamless transition to a sustainable future by prioritizing EV Charger reliability and efficiency. Our objective is to achieve the highest EV Charger uptime in the industry and our focus on research and development within the e-mobility industry is unparalleled:

Robust Hardware and Advanced Technology

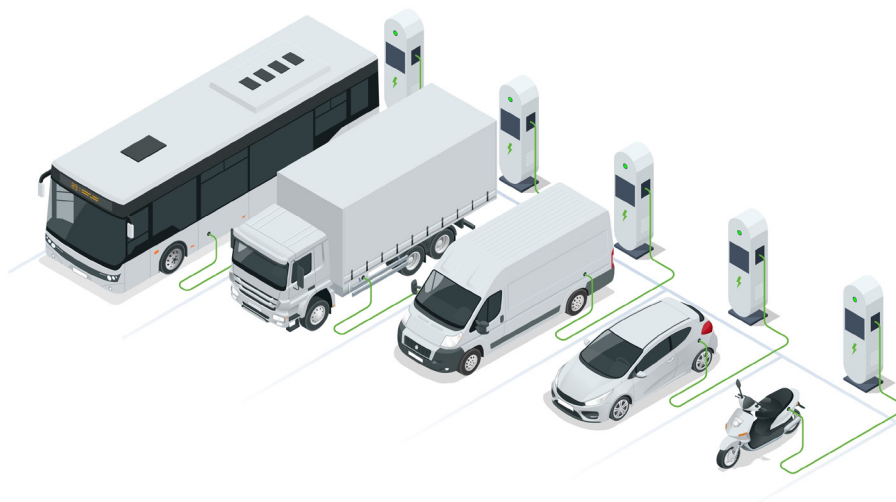
At the heart of any high-performance charging station is its hardware and underlying technology. Our chargers are built with the most advanced components and cutting-edge technology available in the market. High-quality connectors, cables, and internal circuitry, ensures longevity and minimizes potential failure points.

Continuous Monitoring and Predictive Maintenance

To maintain optimal uptime, our charging stations are equipped with advanced monitoring systems that provide real-time data on their performance and health. This continuous monitoring allows us to detect any issues or potential malfunctions promptly. Additionally, a predictive maintenance system is employed, which uses artificial intelligence (AI) algorithms to analyze the obtained data and identify early signs of equipment degradation or failures. By proactively addressing maintenance needs, we can prevent major breakdowns and ensure minimal downtime.

User-Friendly Design and Support

A user-friendly charging experience is vital for the widespread adoption of electric vehicles. Our charging stations boast a streamlined interface and intuitive user experience designed to optimize every interaction with EV drivers. To complement the user-friendly design, we provide extensive support to our customers. A dedicated customer service team is available 24/7 to promptly assist with any inquiries or issues that may arise. This proactive approach ensures that problems are resolved quickly, further contributing to our charger's industry-leading uptime.



EMOBILITY UNITS

- **DC SUPER FAST CHARGERS**
- **DC FAST CHARGER**
- **AC CHARGER W/ LED DISPLAY**
- **AC CHARGER**

Our EV Chargers offer ultrafast high-power (DC) charging capabilities and are compatible with all electric vehicles. We've engineered our chargers to meet the highest industry standards and deliver reliable performance.



DC SUPER FAST CHARGER

GR150/180/270/360



 Expressways

 Parking lot

 Charging stations

 Airport

 Rest areas

 Commercial spaces



Power **150-360 kW**

Charger Type All In One

Power Class Level 3

Connectors CCS/NACS

No. of Connectors Single

Voltage Range 150-1000

DC SUPER FAST CHARGERS

GR150/180/270/360

Reference	GR150CK	GR180LC	GR270LC	GR360LC
DC Output				
Maximum power [kW]	150	180	270	360
Voltage range [VDC]	150-1000			
No. of connectors	Single/Dual			
Available connectors	CCSI, NACS			
Liquid Cooled cables	NA	Yes	Yes	Yes
AC Input				
Voltage [VAC]	480 (3ph + N + PE) ± 10%			
Power factor	≥0.99			
Frequency [Hz]	50 / 60			
Efficiency	≥96%			
General				
User Interaction				
Interface	4.3" Touchscreen E-stop pushbutton Payment terminal/RFID/QR Code			
Communication				
Connectivity	Ethernet 10/100Mbps			
Charge protocols	ISO 15118, CCS, IEC 62196 Mode 4, EN 61581-23, DIN 70121			
Communication protocols	OCPP 1.6, upgrade-able to OCPP 2.0			
Safety				
Protections	Under Voltage, Over Voltage, Under Frequency, OverFrequency, Phase Failure, IMD, Communication Failure Overcurrent / shortcircuit (Circuit Breakers) Surge, RCD Type A, Earth Fault Detection			
Others	Smart Power Balance E-Stop Button ready			
Energy measurement	Internal DC energy measurement			
Environment				
"Operating temperature range"	-4°F (-20°C) to 122°F (50°C)			
Storage temperature	-4°F (-20°C) to 140°F (60°C)			
Relative humidity	<95%RH (Non-condensing)			
"Maximum altitude above sea"	<10361 ft (3,158 m)			
Mechanical				
Cable length	5m / 16.4ft with cable management system			
Enclosure / Foot colour	Charcoal black / Customisation available			
"Typical Dimensions (W x D x H)"	39 x 18 x 74 inch 1021 x 448 x 1887 mm	40 x 18 x 74 inch 1022 x 448 x 1887 mm	39 x 18 x 88 inch 1021 x 448 x 2235 mm	40 x 18 x 88 inch 1022 x 448 x 2235 mm
Weight	360 Kg (794 lb)	390 Kg (860 lb)	410 Kg (904 lb)	440 Kg (970 lb)
Standards				
Regulation	Meets UL-2202 EMC: EN 61000-6-1:2007, EN 61000-6-3:2007/A1:2011/AC:2012			
Protection rating	IP54, NEMA 3R			

DC FAST CHARGER

GR40



 Expressways

 Parking lot

 Charging stations

 Airport

 Rest areas

 Commercial spaces



Power	40 kW
Charger Type	All In One
Power Class	Level 3
Connectors	CCS/NACS
No. of Connectors	Single
Voltage Range	200-1000

DC FAST CHARGER

GR40

Reference

GR40

DC Output

Maximum power [kW]	40
Voltage range [VDC]	200-1000
No. of connectors	Single/Dual
Available connectors	CCSI, NACS

AC Input

Voltage [VAC]	480 (3ph + N + PE) ± 10%
Power factor	≥0.99
Frequency [Hz]	50 / 60
Efficiency	≥96%

General

User Interaction

Interface	4.3" Touchscreen E-stop pushbutton Payment terminal/RFID/QR Code
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Communication

Connectivity	Ethernet 10/100Mbps
Charge protocols	ISO 15118, CCS, IEC 62196 Mode 4, EN 61581-23, DIN 70121
Communication protocols	OCPP 1.6, upgrade-able to OCPP 2.0

Safety

Protections	Under Voltage, Over Voltage, Under Frequency, OverFrequency, Phase Failure, IMD, Communication Failure Overcurrent / shortcircuit (Circuit Breakers) Surge, RCD Type A, Earth Fault Detection
Others	Smart Power Balance E-Stop Button ready
Energy measurement	Internal DC energy measurement

Environment

"Operating temperature range"	-4°F (-20°C) to 122°F (50°C)
Storage temperature	-4°F (-20°C) to 140°F (60°C)
Relative humidity	<95%RH (Non-condensing)
"Maximum altitude above sea"	<10361 ft (3,158 m)

Mechanical

Cable length	5m / 16.4ft with cable management system
Enclosure / Foot colour	Charcoal black / Customisation available
"Typical Dimensions (W x D x H)"	16 x 24x 10 inch 406 x 610 x 254 mm
Weight	90 Kg (199 lb)


Standards

Regulation	Meets UL-2202 EMC: EN 61000-6-1:2007, EN 61000-6-3:2007/A1:2011/AC:2012
Protection rating	IP54, NEMA 3R

AC CHARGER W/ DISPLAY

GR8-D / GR12-D



 Multi-Family

 Shopping Malls

 Office Buildings

 Hotels

 Schools

 Hospitals



Power	7.4 – 11.5 kW
Charger Type	All In One
Power Class	Level 2
Connectors	CCS/NACS
No. of Connectors	Dual
Voltage Range	208 -240

AC CHARGER W/ LED DISPLAY


GR8-D / GR12-D

Reference	GR8-D	GR12-D
AC Input		
Voltage [V]	208 / 240 (L1, L2, PE)	
AC Output		
Current [A]	32	50
Vehicle Connection	J1772 plug	
Maximum output power per connector [kW]	7.4	11.5
General		
User Interaction		
Display	7" screen size	
Software upgrade	over the air (OTA)	
Configuration	via Siemens mobile app	
Authentication	RFID card reader	
Touch Button	Time delay, return to max power level, reset ground fault	
Charging status LEDs	Power, time delay, charging state, reduced power level, authentication	
Interface	Status indicator	
Communications		
Protocols	Status indicator Ethernet, Wi-Fi, LTE, WCDMA RS485, Modbus TCP/IP OCPP 1.6, upgrade-able to OCPP 2.0	
Connectivity status LEDs	Connected / not connected during operation, signal strength during commissioning	
Safety		
Protections	Ground fault, Over voltage, Over current	
Energy measurement	revenue accurate, ANSI C12.20 compliant metering	
Environment		
Operating temperature	-31°F (-40°C) to 122°F (140°C)	
Operating altitude	<9,840 ft (2890 m)	
Relative humidity	<RH95% (Non-condensing)	
Mechanical		
Cable length	6m / 20ft cable	
External enclosure	NEMA 4, IK 8 Silver Metallic (Pantone 10077)	
Glass colour	Black holster	
Dimensions (H x W x D)	16 x 7 x 4 inch 406 x 178 x 102 mm	
Weight	7.7 Kg (17 lb)	
Mounting options	Wall and post mounting	
Standards		
Certifications	*According to UL 1998, UL 991, UL2594/CSA C22.2 No.280/NMX-J-677-ANCE, UL 2231-1/CSA C22.2 No.281.1/NMX-J-668-1, UL 2231-2/CSA C22.2 No.281.2/NMX-J-668/2-ANCE, UL 2251/CSA C22.2 No.282/NMX-J-678-ANCE"	
EMC	FCC Part 15.247, FCC Part 15B, FCC Part 15C	

AC CHARGER

GR8/10/12



 Multi-Family

 Shopping Malls

 Office Buildings

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Power	7.4-11.5 kW
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Charger Type	All In One
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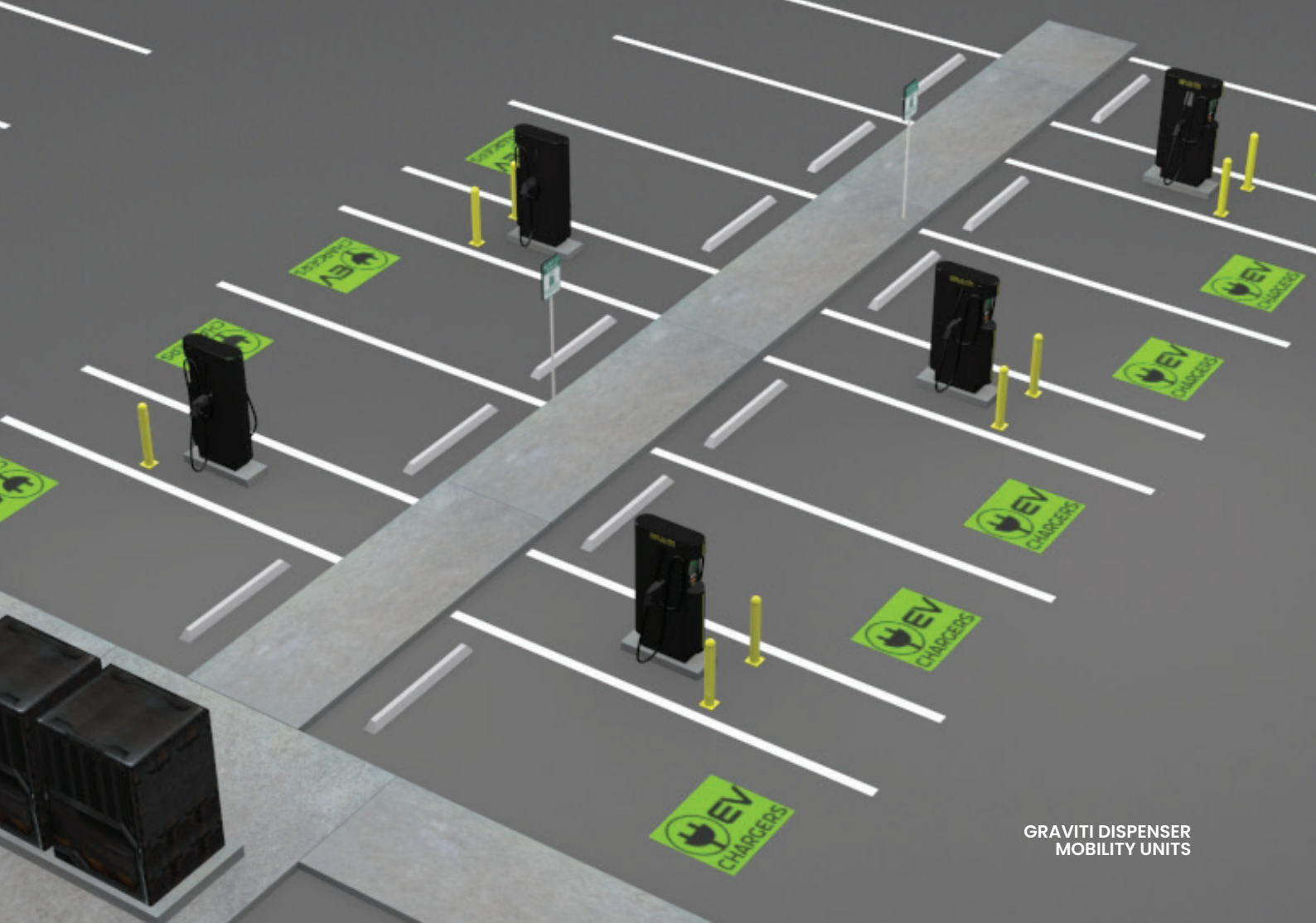
Power Class	Level 2
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Connectors	CCS/NACS
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No. of Connectors	Single
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Voltage Range	208-240
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Reference	GR8	GR10	GR12
DC Output			
Voltage [V]	208 / 240 (L1, L2, PE)		
Current [A]	32	48	50
Vehicle Connection	J1772 plug		
Maximum output power per connector [kW]	7.4	9.6	11.3
Software upgrade	over the air (OTA)		
Configuration	via Siemens mobile app		
Authentication	RFID card reader		
Touch Button	Time delay, return to max power level, reset ground fault		
Charging status LEDs	Power, time delay, charging state, reduced power level, authentication		
Interface	Status indicator		
Protocols	Ethernet, Wi-Fi, LTE, WCDMA RS485, Modbus TCP/IP OCPP 1.6, upgrade-able to OCPP 2.0		
Connectivity status LEDs	Connected / not connected during operation, signal strength during commissioning		
Protections	Ground fault, Over voltage, Over current		
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EMC	FCC Part 15.247, FCC Part 15B, FCC Part 15C		



GRAVITI DISPENSER
MOBILITY UNITS



GRAVITI

UNINTERRUPTED EV CHARGING

the future of transportation

DOWNLOAD CATALOGUE

