



Motr ON

EV Charger



- Smart and stylish EV Charger for home
- OCPP 1.6 J compliant
- User authentication by RFID, Mobile app, CMS
- Supports all communication mode WiFi, Ethernet, GSM (4G)
- ARAI certified

Evcharger@Havells.com

ABOUT US

Redefining the modern homes with innovation and excellence

Havells is at the forefront of transforming modern living spaces by offering innovative solutions that elevate everyday experiences. With a deep understanding of consumer needs, the company has expanded its footprint across every aspect of home life, creating environment that are not only functional but also comfortable, stylish, and future-ready. To make these solutions accessible, Havells leverages an extensive distribution network encompassing 18,000 dealers, over 1,000 exclusive brand stores, intensifying presence in modern retail, e-commerce and quick commerce.

The company's portfolio includes power brands like Havells, Havells Crabtree, Lloyd, REO, Havells Studio, and Standard each designed to cater to the unique demands of today's consumers.

Anchored in the 'Make in India' initiative, Havells operates 16 cutting-edge manufacturing facilities across India, producing 90% of its products in-house. At the forefront of Havells product evolution lies its Customer Experience & Designs (CXD) Studio, where creativity and user-centric design converge. This is complemented by its Centre for Research & Innovation (CRI), supported by four advanced R&D centres, enabling Havells to consistently deliver products that are both functional and visually compelling.

Driven by a commitment to innovation, quality, and design, the company also upholds sustainable practices throughout its operations, including eco-friendly manufacturing processes and energy-efficient product design, contributing to a greener and more sustainable future.



CORPORATE OFFICE, NOIDA



State-of-the-Art Manufacturing Unit



Industry 4.0 Process



Center For Research & Innovation



Customer Experience & Design



16 Manufacturing Units

~18000 Strong Dealer Network

4 Research Centres

48 Offices

Why EV Charging Matters

The world is moving rapidly toward cleaner and smarter mobility, with electric vehicles (EVs) at the heart of this transformation. India, too, is witnessing a surge in EV adoption, driven by supportive government policies, increasing consumer awareness, and the growing need to reduce carbon emissions.




But the success of EVs depends on one critical factor - **reliable charging infrastructure**. Just as fuel stations powered the automobile revolution, EV chargers are the backbone of the electric mobility era. For EV owners, dependable charging solutions mean convenience, confidence, and cost efficiency. For businesses, they enable new opportunities in fleet management, real estate, and commercial infrastructure.

Havells, with its decades of expertise in electrical innovation, is committed to playing a pivotal role in this shift. By engineering chargers that are **safe, smart, and scalable**, Havells aims to accelerate India's transition to a net-zero future. With solutions designed for homes, workplaces, commercial hubs, and fleets, Havells ensures that the promise of sustainable mobility becomes a practical reality for everyone.

EV charging is not just about powering vehicles - it's about powering the future. And Havells is ready to lead this journey.



Types of Electrical Vehicles

Car Type	Battery	Plug-in	Fuel
<p>Battery Electric Vehicle (BEV) Powered solely by an electric battery which is charged by plugging into an electrical socket. Clean energy producing zero carbon emissions.</p> 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<p>Hybrid Electric Vehicle (HEV) Combination of conventional combustion engine assisted by electrical motor and batteries. All energy still comes from fuel, but generally more economical.</p> 	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
<p>Plug-in Hybrid Electric Vehicle (HEV) This type of hybrid has larger batteries and electric motor and can be plugged-in to charge as well as charging on the move.</p> 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Types of Charging Connectors



AC Charging Connectors

Type 1

A five-pin single-phase plug, widely used in American and early-generation Asian vehicles, enables charging at speeds of up to 7.4 kW

Type 2

This seven-pin, three-phase plug is commonly used in most European and Asian vehicles manufactured from 2018 onwards. It supports charging speeds of up to 22 kW at home and up to 43 kW at public charging stations.

DC Charging Connectors

CCS2

This is an upgraded version of the Type 2 plug, featuring two additional power contacts to enable rapid charging. It supports both AC and DC charging and allows charging speeds of up to 350 kW

Charging Speed Comparison

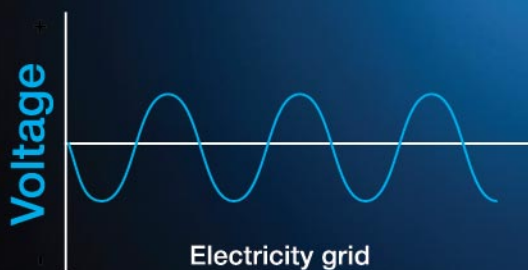
	AC CHARGING			DC CHARGING	
	Mode 2/3	Mode 3	Mode 3	RAPID Mode 4	ULTRA FAST Mode 4
Connector Type	Type 1 Type 2	Type 1 Type 2	Type 2	CCS2	CCS2
Power	3.3 kW	7.4 kW	11 kW-22 kW	50 kW-120 kW	150 kW-350 kW
Time to charge	From 0% - 100% charge			From 10% - 80% charge	
	upto 15 hours	upto 7 hours	upto 7 hours	upto 70 minutes	upto 40 minutes
Typical Application	Home	Home • Workplace • Shopping Centers • Car Parks	Home • Workplace • Shopping Centers • Car Parks • Fleets	Workplace • Shopping Centers • Highways • Motorways • Fleets	Shopping Centers • Highways • Motorways • Fleets

AC & DC Charging

What's the difference?



Alternating Current (AC) Charging



Batteries on electric vehicles are powered by DC (Direct Current). An AC charger uses power from the grid which is supplied in AC (Alternative Current), which is then converted to DC by the vehicles on-board charger. Although charging speeds can be limited due to size constraints.

Direct Current (DC) Charging



A DC charger supplies power directly to the Battery management system (BMS) inside the vehicle, with no on-board charging infrastructure inside the vehicle. Higher power can be supplied meaning charging times can considerably faster.

Havells Motron: Product Story

Smart. Safe. Stylish.

Havells Motron is more than just an EV charger it is a statement of innovation and reliability. Designed to complement the modern lifestyle, Motron combines cutting-edge technology with intuitive features that make charging effortless, efficient, and future-ready.

Designed in India, Engineered for the World.

Motron reflects Havells' deep expertise in electrical engineering and design excellence. While proudly crafted in India under the Make in India initiative, every component adheres to global safety and performance standards, making it a trusted solution for EV users worldwide.

Compact. Durable. Resilient.

Engineered for real-world conditions, Motron is built to last. Its IP66 rating ensures total protection against dust and water, while the IK10 rating guarantees robustness against impact. A fire-resistant build further enhances safety, making Motron suitable for homes, workplaces, and commercial installations alike.

With sleek aesthetics, advanced safety protocols, and seamless connectivity, Havells Motron redefines EV charging bringing together style, strength, and intelligence to power the clean mobility revolution.

support, both in urban and increasingly in rural areas Large Service network

Havells maintains a robust service network, a significant number of Exclusive Brand stores and this is the trust, which provides doorstep service. This extensive network, ensures customer reach across urban and rural markets in India and in more than 70 countries globally.

The network is designed to provide convenient access to products and after-sales



Havells EVSE Product Overview

Connection Type	Charging Output	Input Supply	Facia colour	Product Code	ITEM DESCRIPTION
1x Universal Type-2 Socket	Up to 7.4 kW (32 A)	Up to 32 A Single Phase *230 V AC(#10%) 50 Hz	Piano finish black and gray	EHMVD007AA	AC 7.4 kW EVSE WITH DISPLAY GSM LAN WIFI
	Up to 7.4 kW (16 A)	Up to 16 A Single Phase *415 V AC(#10%) 50 Hz	Piano finish black and gray	EHMVO007CC	AC 7.4 kW EVSE GSM WIFI
	Up to 7.4 kW (32 A)	Up to 32 A Single Phase *230 V AC(#10%) 50 Hz	Piano finish black and gray	EHMVO007DD	AC 7.4 kW EVSE WIFI
	Up to 11 kW (16 A)	Up to 32 A Single Phase *230 V AC(#10%) 50 Hz	Piano finish black and gray	EHMVD011AA	AC 11 kW EVSE WITH DISPLAY GSM LAN WIFI
	Up to 22 kW (32 A)	Up to 32 A Three Phase *415 V AC(#10%) 50 Hz	Piano finish black and gray	EHMVD022AA	AC 22 kW EVSE WITH DISPLAY GSM LAN WIFI

*Should supply be limited, ChargePoints can be configured to any output (min.)

Mobile App

- Three Connectivity modes
- Schedule charging
- View charging state
- Multi user access
- Usage analytics
- Fault notifications
- Security log & alerts



Technical Specifications of Havells EVSE are

Parameters	HAVELLS AC EVSE 7.4 kW	HAVELLS AC EVSE 11 kW & 22 kW
Input voltage:	100 V AC - 300 V AC; 50 Hz	340 V AC – 460 V AC (L-L); 50 Hz
Max. Current Output; Power:	32 A; 7.4 kW	16 A; 11 kW
		32 A; 22 kW
User authentication:	Mobile APP (Optional), RFID	Mobile APP, RFID
Connectivity options:	Wi-Fi, LAN & 4G/GSM (Optional)	Wi-Fi, LAN, 4G/GSM
Communication protocol:	OCPP 1.6 J, upgradable via OTA	
Protections:	Over Voltage, Under Voltage	
	Over Current, Under Current	
	Short Circuit, Surge protection, Over temperature protection	
	Emergency Stop	
	Earthing, Leakage Faults (30 mA AC + 6 mA DC)	
Emergency switch:	Available (red mushroom push button)	
Status indication:	LED Intuitive Display + RGB LED Indications	
Output interface (Gun type):	AC Type 2 (IEC 62196 - 2)	
Installation options:	Wall Mounted	
	Pedestal Stand	
Max dimensions (h x w x d):	310 mm x 310 mm x 155 mm	
Cable storage:	Cable wrapped around with Gun holder	
Ruggedness:	IP 66, IK 10	
Dynamic Load Balancing:	Available with Solar Data Export using DLM Device	
Energy metering:	Class -1 metering on-board	
Temperature:	-25 °C to +55 °C	
Humidity:	95%, non-condensing	
Enclosure Material:	PC with UV inhibitor	
Compliance Standard:	IEC 61851-1, IS 17017 (ARAI)	

IN-LINE RCD



IEC 61540

IP66

IP66
WATERPROOF

Inline RCD Plug 16 A



IN-LINE RCD SAP Code

HSN Code - 8536

Rating	Description	Cat. No.
6 A	IN-LINE RCD IP66 with Auto-recloser 6 A/30 mA	DHPINBL006200603
16 A	IN-LINE RCD IP66 with Auto-recloser 16 A/30 mA	DHPINBL016201603
6 A	IN-LINE RCD IP66 with Auto-recloser 6 A/10 mA	DHPINBL006200601
16 A	IN-LINE RCD IP66 with Auto-recloser 16 A/10 mA	DHPINBL016201601
6 A	IN-LINE RCD IP66 with Earth-missing 6 A/30 mA	DHPIMBL006200603
16 A	IN-LINE RCD IP66 Earth-missing 16 A/30 mA	DHPIMBL016201603
6 A	IN-LINE RCD IP66 Earth-missing 6 A/10 mA	DHPIMBL006200601
16 A	IN-LINE RCD IP66 Earth-missing 16 A/10 mA	DHPIMBL016201601



POWERING
**India's
EV Future**

At Havells, innovation and sustainability are at the heart of everything we do. With MotrON, we bring together engineering excellence, intelligent design, and robust safety to accelerate India's shift towards clean mobility.

We believe EV charging is more than powering vehicles it's about **empowering lifestyles, businesses, and communities** to move forward into a greener tomorrow.
Charge the Future with MotrON.

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