HAVELLS

POLAAR RENEWABLE ENERGY PRIVATE LIMITED

GOOD FOR YOU EV

POLAAR RENEWABLE ENERGY

AUTHORISED DISTRIBUTOR

7373727279 | office@quicksolar.in

MotrON

EV Charger

SMARTER

SAFER

INTELLIGENT

AC - 7.4 kW to 22 kW

DC - 30 kW to 240 kW

office@quicksolar.in

Designed and Manufactured in INDIA

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





Customer Experience & Design



Industry 4.0 Process



Center For Research & Innovation

16 Manufacturing Units | **~18000** Strong Dealer Network | **4** Research Centres | **48** Offices

HAVELLS | LLOYD | HAVELLS Crabtree | HAVELLS STUDIO | REO | STANDARD

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
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. 	☑	☑	
Hybrid Electric Vehicle (HEV) Combination of conventional combustión engine assisted by electrical motor and batteries. All energy still comes from fuel, but generally more economical. 	☑		☑
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. 	☑	☑	☑

MotrON EV Charger

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 ad 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

MotrON EV Charger

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



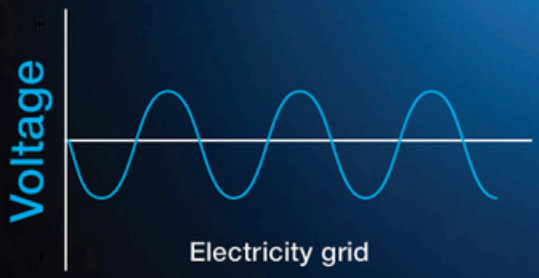
MotrON EV Charger

AC & DC Charging

What's the difference?

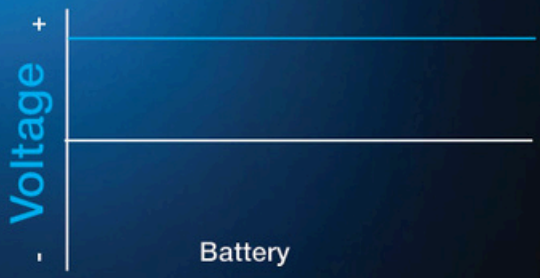


Alternating Current (AC) Charging



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.

MotrON EV Charger

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



MotrON EV Charger



Havells EVSE Product Overview

Connection Type	Input Supply	Charging Output	Product Code	DESCRIPTION
1x Universal Type-2 Plug	Up to 32 A Single Phase 230 V AC (±10%) 50 Hz	Up to 7.4 kW (32 A)	EHMVD007AA	AC 7.4 kW EVSE WITH DISPLAY GSM LAN WIFI
	Up to 32 A Single Phase 230 V AC (±10%) 50 Hz	Up to 7.4 kW (32 A)	EHMVO007CC	AC 7.4 kW EVSE GSM WIFI
	Up to 32 A Single Phase 230 V AC (±10%) 50 Hz	Up to 7.4 kW (32 A)	EHMVO007DD	AC 7.4 kW EVSE WIFI
	Up to 16 A Three Phase 415 V AC (±10%) 50 Hz	Up to 11 kW (16 A)	EHMVD011AA	AC 11 kW EVSE WITH DISPLAY GSM LAN WIFI
	Up to 32 A Three Phase 415 V AC (±10%) 50 Hz	Up to 22 kW (32 A)	EHMVD022AA	AC 22 kW EVSE WITH DISPLAY GSM LAN WIFI

*Should supply be limited, Charge Points 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



User can download Motron EV app from App Store for Apple and android.

GET IT ON Google Play

Download on the App Store

MotrON EV Charger

Technical Specifications

Parameters	AC 7.4 kW	AC 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 Materiall:	PC with UV inhibitor	
Compliance Standard:	IEC 61851-1, IS 17017 (ARAI)	

MotrON
EV Charger

DC Charger

30 kW / 60 kW / 120 kW / 240 kW







Technical Specification

	30 kW	60 kW	120 kW	240 kW
Input Power				
Input Voltage (AC)	3 Phase, 350 V AC – 456 V AC			
Frequency	50 Hz - 60 Hz			
Wires	5 Wire AC System (3 Ph, N, PE)			
THD	< 5% of Nominal Voltage (IEEE 519 Compliant)			
Power Factor	> 0.98 (Full Load)			
Output Power				
Number of Outputs	1	2		
Output Current	Max. 80 Amps	Max. 200 A	Max. 250 A	
Output Power	Max. 30 kW	Max. 60 kW	Max. 120 kW	Max. 240 kW
Output Connector	CCS2			
DC Output Voltage	200 V DC - 1000 V DC			
Efficiency	> 0.95%			
Environment				
Operating Temperature	-25 °C to 55 °C			
Storage Temperature	-40 °C to 70 °C			
Altitude	Up to 2000 meters			
Humidity	5% to 95%, non-condensing			
User Interface & Control				
Display Screen	10.1" TFT LCD Touchscreen (optional 7")			
Languages Supported	English (Customizable to Local Language)			
Push Buttons	Red Mushroom Type Emergency Stop			
Charge Option	Grid Responsive Metering			
Visual Indication	LED Indications (Solid, Blink), HMI			
Display Message	As per CCS Specifications			
User Authentication	RFID Card (ISO/IEC 14443), Pin, QR code, Mobile application, Autocharge (configurable)			
Payment	Smart Card, QR/OTP/APP Server Based Online Payment			
Safety				
Protection	Over Voltage, Under Voltage, Over Current, Surge Protection Device, Reverse Polarity Protection, Over Temperature Protection, Emergency Shutdown, NE (Neutral-Earth) Voltage Tripping, Inbuilt RCMU			
EMC	IEC 61000-4			
Compliance	IEC 62196-3, IEC 61851			
Isolation	Double insulation for each DC output (IEC61851-23)			
Communication				
Charger and Vehicle	DIN 70121, ISO-15118			
Charger and CMS	OCPP v 1.6J/ 100 Base-T Ethernet (Standard) / Wi-Fi (802.11b/g/n)/GSM Modem (4G/3G/2G)			
Mechanical				
Cable Length	5 meters			
IP Rating / Cooling	IP-54 / Forced Natural Air Cooling			
Impact	IK10 (screen: IK 08)			
Structure	Mild Steel; Flame Retardant Grade UL94V-0			
Mounting	Pedestal	Floor		
Dimensions (mm)	700(w) X 600(h) X 240(d)	750(w) X 1700(h) X 500(d)	750(w) X 1700(h) X 500(d)	750(w) X 1700(h) X 750(d)
Weight (Kg)	86	175	220	270
Certification				
Standards	IEC 61851 / AIS 138 Part-2 / IS-17017			
Agency	Part-2 / IS-17017 Certifications ARAI			
Management				
Input Supply Failure	15 minutes for Control System and Billing Unit (Battery Backup)			
Power Management	Dynamically Manage the Power Distribution as per Load			
Cable	Cable Management System (optional)			
Remote Management	Manage via the Admin Portal, and/or API			
Service & Maintenance	OTA, Remote monitoring, diagnostic, and proactive maintenance			

MotrON EV Charger

EVSE Distribution Board

3.3 kW with Lock & Key



Technical Specification

Power Rating	3.3 kW
Input Voltage	230 V±10% AC ;1-Phase, 3 wire
Output Voltage	230 V±10% AC
Output Current	16 A
Output Power	16 A
Ingress Protection	IP42
Impact	IK10
Dimensions (H × W × D)	240 m × 348 mm × 91 mm
Casing Material	CRCA steel
Mounting	wall /surface
Weight	2.5 kg
Cooling	natural
Operating Temperature	0 °C-50 °C
Storage Temperature	0 °C-50 °C
Altitude	2000 m

EVSE MRP Price List

MotrON
EV Charger



AC Charger 7.4 kW/11 kW/22 kW



EVSE DB



DC Charger 30 kW



DC Charger 60 kW/120 kW/240 kW

Motron EV Charger

HSN Code - 8536

Item Name	Charger Type	Description	Cat. No.	MRP in ₹ Per Unit
EVDB	Distribution Board	3.3 kW DB with Lock & Key	EHPXO007XXC1	₹ 6600.00
Portable Charger	-	Coming Soon	-	-
7.4 kW MotrON	AC Charger	7.4 kW OCPP Wifi	EHMVO007DD	₹ 60500.00
7.4 kW MotrON Pro	AC Charger	7.4 kW OCPP GSM/Wifi	EHMVO007CC	₹ 64900.00
7.4 kW MotrON GT	AC Charger	7.4 kW OCPP with display GSM/LAN/Wifi	EHMVD007AA	₹ 68200.00
11 kW MotrON GT	AC Charger	11 kW OCPP with display GSM/LAN/Wifi	EHMVD011AA	₹ 86900.00
22 kW MotrON GT	AC Charger	22 kW OCPP with display GSM/LAN/Wif	EHMVD022AA	₹ 93500.00
30 kW MotrON CC2	DC Charger	CCS-2 Single Gun Charger with 80 A gun	EHNVD030AA	₹ 572000.00
60 kW MotrON CCS-2	DC Charger	CCS-2 Dual Gun Charger with 200 A gun	EHNFD060AA	₹ 990000.00
120 kW MotrON CCS-2	DC Charger	CCS-2 Dual Gun Charger with 250 A gun	EHNFD120AA	₹ 1460000.00
240 kW MotrON CCS-2	DC Charger	CCS-2 Dual Gun Charger with 250 A gun	EHNFD240AA	₹ 2310000.00

Terms & Conditions: • Prices are in Indian ₹. • MRP are for Qty 1 N • The MRP are inclusive of GST. • This MRP supercedes all our previous MRP. • Prices are subject to change without notice. • Company reserves the right to issue amendments, which may arise due to any errors in the list price.

POLAAR
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MotrON
EV Charger



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.

Havells India Ltd.
Website: www.quicksolar.in
Email: office@quicksolar.in