charzer

End-to-End EV Charging Management

Our charging solutions offer the most innovative & affordable charging stations to maximize your investments and minimize your costs.

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Our Promise

Innovation

We foster innovation with best in class components with 20 years of experience and expertise in power electronics.

Low Maintenance

24x7 Help Centre desk, Pan India service support, remote diagnostics & upgrades allow hassle free operations of all charging stations.

Scalability

We deliver highest and consistent quality in time, every time, and in any volume you need.

Intelligence

Use of high efficiency rectifiers, smart charging algorithms, load balancing allow intelligent and efficient charging at all time

Ease of Use

Our charging stations come with easy to use UI and various capacities ranging from 15KW to 150KW making them suitable for all types of electric vehicles.

Connectivity

Internet connected chargers offer flexibility to connect to back office payment platform and energy management solution

Customization

We offer what you need by providing support for customized software features and customer specific requirements.

Flexibility

Our Charging stations support key standards such as Bharat EV Standard, GB/T, CCS and support both low voltage and high voltage battery platforms.

We offer what you need by providing support for customized software features and customer specific requirements. 24x7 Help Centre desk, Pan India service support, remote diagnostics & upgrades allow hassle free operations of all charging stations.

Charging
Applications

Workplaces

We enable Corporates to showcase your company's commitment towards innovative and sustainable future and provide custom branded chargers for your employees and guests.

Fleets

Electrifying your fleet provides more enjoyable rides for your customers and lowers total cost of ownership for your company. In addition, it showcases your commitment towards a sustainable future. Our innovative and easy to use charging stations will facilitate such transition to ensure highest uptime and quick deployment.

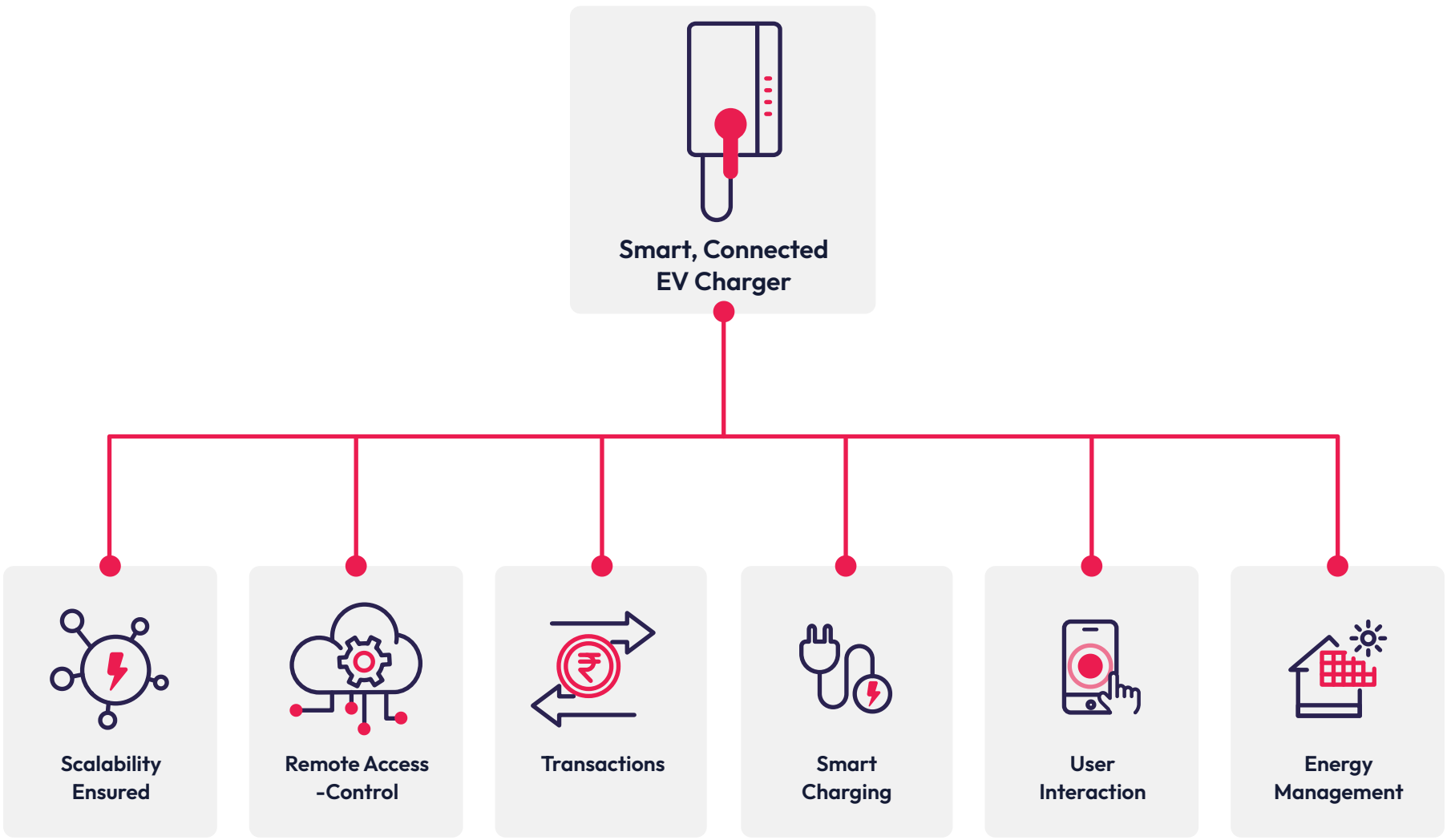
Real Estate

By placing EV Chargers at your real estate you will be investing in green mobility and will attract new age environment friendly tenants and potentially increase property's brand value and unlock new revenue streams. Exicom's easy to use and low maintenance modular chargers can be easily used by tenants themselves.

Retail and Commercial Parking

Availability of EV Chargers at your place will ensure smooth transition to electric mobility by ensuring 24x7 access to safe & efficient charging infrastructure for your customers. You will invite new customers to eat / shop / park and attract new revenue streams while transforming your image as an environmental-friendly establishment.

Smart & Efficient Charging
for all types of Charging needs



- Cutting edge hardware technology that is modular /scalable & designed to operate in all types of conditions
- Rigorously tested for safety, efficiency and reliability
- Enabling smart charging and transactions using open protocols via scalable cloud technology
- Smart connectivity allows remote monitoring & control and functional upgrades to provide customers with real time services
- Multi protocol design (CHAdeMO, CCS and GB/T) and wide output voltage range makes EV Charger compatible with all types of vehicles across all platforms (passenger cars, buses, commercial vehicles)

Products &
Service Portfolio

Services:

- Site Survey
- I&C
- AMC
- Transations
- Mobile App

Cloud Management System:

- Data Analytics
- Energy Management
- Smart Charging
- User Management

3.3 kW AC
Omni Charger

Overview

• 3.3kW AC Charging Stations
•IOT enabled (Easy to monitoring)
• Supports all 2/3/4 wheelers
• Plug-and Play Design & Easy Installation
• Compact size
• Central Dashboard (CMS) for monitoring all charging stations at once
• Safe and Secure EV charging
• Inbuilt energy meter for tracking energy comsumption.

3.3 kW AC
Omni Charger

	Product Information
Charging Type	Charging Point, AC Level 1
Input/Output Rating	Single Phase: 3.3 kW/16A
Input AC Supply system	Single Phase: 230 V, 50 Hz
Socket Outlet	16A 3-PIN Power Socket
Protection	Over Voltage, Under Voltage, Over Current, Short Circuit, Surge Protection, Over Temperature, Ground Fault, Residual Current
Configurable Contacts	1 Input, 1 Output
Energy Meter	In-built, Class 1 Accuracy
	User Interface
Connectivity	Wi-Fi/GSM
User Authentication	Mobile App/QR
User Interface	Device Portal or Charzer App
Communication Protocol	OCPP1 .6
Status Indications	1 LED Strip (Green - Charging, Orange - Idle, Red - Errors/Buffers)
	Configuration
Control & Configuration	Device Portal
	General Characteristics
IP & IK Rating	IP54
Operating Altitude	<2000 mtr
Operating Temperature	-30 °c to 55 °c
Storage Temperature	-40 °c to 70 °c
Humidity	<95%, non-condensing
Mounting	Wall Mount or Pedestal
Dimensions (HxWxD)	350mm x 220mm x 11 0mm
	Warranty
Warranty Period	12 Months

AC Type 2
Home Charger

Overview

- Charge all Type 2 Compatible vehicles
- Single AC output from 7.5 kW to 22 kW
- Socket or fixed cable
- Safe and intuitive to use
- Status color LED
- Indoor or outdoor installation
- Optional power meter available
- Optional OCPP for cloud monitoring

Main Features

- Single (7.SkW) or three phase (llkW and 22kW) Indoor/Outdoor (!PSS)
- Simple Plug & Play installation
- Compact & Elegant Design

Product Description

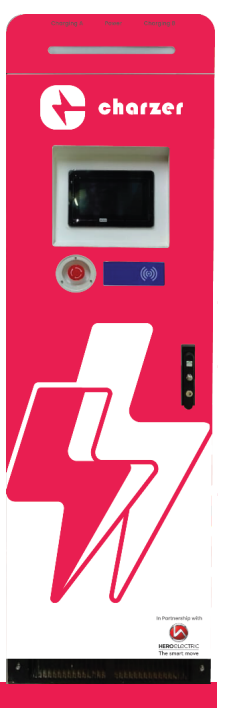
The AC Type 2 Charger provides a high quality and cost effective electric car charging point. It is a safe and reliable charging point with a compact, space-saving, modern and attractive design which can be installed at homes, workplaces and other commercial locations.

AC Type 2
Home Charger

	7.5kW	11kW	22kW
EVSE Type	EVAC Type 2		
Energy Transfer Mode	Conductive		
	Input Specifications		
Input AC Supply system	1Ø, 3 Wire AC system (1Ph+N+PE)	3Ø, S Wire AC system (3Ph+N+PE)	3Ø, S Wire AC system (3Ph+N+PE)
Input Voltage	Nominal Voltage: 230Vac, Operating Voltage Range: 180- 280Vac		
Input Frequency	Nominal Frequency SOHz, Operating Frequency Range: 45-SSHz		
	Output Specifications		
Output Voltage	Nominal Voltage: 230Vac, Operating Voltage Range: 180- 280Vac		
Maximum Output Continuous Current	32A	16A per phase	32A per phase
Output connector type	IEC62196-2, Type 2		
Output Power	7.5kW	11kW	22kW
Number of Outputs	One		
Protection	Over Current, Short Circuit, Over Voltage, Under Voltage, Ground Fault, Surge Protection, Over temperature, Residual Current Detection		
	User Interface		
Authentication method	RFID / Mobile application (through Bluetooth/Wi-Fi/OTP) ,GSM (4G LTE)		
Visual Indicators	Basic indications: Error indication, Presence of input supply indication, charging indication		
Display	Optional		
	Communication Specifications		
Communication between EVSE and Central Server	Open Charge Point Protocol (OCPP) vl.6 (optional)		
Communication between EVSE and EV	As per IEC67851-I		

15kW/30kW
Bharat EV Chargers

		15kW EVDC Charger	30kW EVDC Charger
Power Output	DC output voltage rating	48V/ 60Vf 72VDC	
	Output Current	200A Max.	200A Max. per Gun
	Power Rating	15kW	30kW
	Connector	Output connector with GB/T 20234.3 Compliance	
	Number of Guns	1	2 (15kW each Gun)
	Efficiency	≥ 94%	
Power Input	Input Voltage	3Ø, 415V (+6% and -10%) 3-Phase, 5 Wire AC system (3Ph+N+E)	
	Input Frequency	50Hz, ±5Hz	
	THD	≤ 5% @Nominal Voltage	
	Power factor	≥ 0.99 (Full load)	
Protection and Safety	Safety Parameters	Over current, Under voltage, Over voltage Surge protection, Short circuit, Over temperature	
User Interface & Control	Display	7" T FT LCD Touch screen	
	Support language	English	
	Push Button	Mushroom type Emergency stop switch (Red)	
	Charge Option	Grid responsive metering	
	Visual Indication	Error Indicator; Presence of input supply; State of charger indicator	
	Display messages	As per requirement of BEVC-DC0001 specifications	
	User Authentication	ISO/IEC 14443 A RFID for user authentication	
	Payment	Smart Card, QR/OTP/APP Server based Online Payments	
Communication	B/w EVSE and Vehicle	CAN based Communication as per AIS138-2	
	B/w charger and Central Server	OCPP v1.6 - 10/100 Base-T Ethernet (Standard)/ Optional GSM Modem (4G Fallback 3G)	
Mechanical	Ingress Protection	IP 54	
	Cooling	Forced Air cooling	
	Dimensions (H x w x D)(mm)	1600 X 500 X 350	1600 X 500 X 350
	Charging Cable length	5 meters	
Environmental	Operating Temperature	-10°c to 55°C	
	Humidity (Non-condensing)	0 to 95%	
	Storage Temperature	-20°C to 80°C	
	Altitude	upto 3000Mt.	



30kW
DC Fast Charger

Product #	TP4-30-480
Input	400VAC / 480VAC (3P+N+PE)
Frequency	50Hz || 60Hz
Output Voltage	150 to 750VDC
Output Current	0 to 80A
Connector(s)	CCS2 || CHAdeMO|| GBT
Efficiency	≥94% at nominal output power
Power Factor	> 0.98
Insulation (input-output)	>2.5 kV
Operating Temperature	-30 C to 55 C
Working || Storage humidity	≤ 95% RH || ≤ 99% RH (Non condensing)
Altitude	< 2000m
Display	7" LCD with touch screen
RFID system	ISO || IEC 14443A/B
Dimensions (l x d x h)	21" x 12" x 27"
Protective Class	IP54 || IK10
Power Electronics Cooling	Air Cooled
Weight	80 kgs
Charging Protocol	Mode 4, IEC-61851, ISO 15118, DIN SPEC 70121
	Mode 4, CHAdeMO 0.9, 1.0
	Mode 4, GB/T18487 2015, GB/T20234 2015, GB/T27930 2015
Length of charging cable	5m
Access Control	RFID: ISO/IEC 14443A/B
Interface protocol	OCPP 1.6J
Interface protocol	Ethernet-Standard || 4G/Wi Fi (Optional)
Electrical Safety: GFCI	RCD 30 mA Type A
Electrical Safety: Surge Protection	20 kA
Electrical Safety General	Over Voltage, Under Voltage, Over Current, Missing Ground
Electrical Safety: Output Short	Output power disabled when output is short circuited
Electrical Safety Temperature	Temperature Sensors @ Charge Coupler and Power Electronics
Emergency Stop	Emergency Stop Button Disables Output Power
Regulatory Compliance	CE || EMC: EN 61000-6 1:2007, EN 61000 6-3:2007/A1:2011/AC:2012

60kW to 200kW CSS

Type 2 Chargers

		60kW	120kW	220kW
Power Output	DC output voltage rating	200-750VDC		
	Output Current	96A Max.(per gun)	200A Max.	300A Max. (200A Max. per gun)
	Power Rating	60kW	120kW	200kW
	Connector	Output connector with CCS type 2		
	Number of Guns	2		
	Efficiency	≥ 95%		
Power Input	Input Voltage	3Ø, 415V (+6% and -10%) 3-Phase, 5 Wire AC system (3Ph+N+E)		
	Input Frequency	50Hz, ±5Hz		
	THD	≤ 5% @Nominal Voltage		
	Power factor	> 0.99 (Full load)		
Protection and Safety	Safety Parameters	Over current, Under voltage, Over voltage Surge protection, Short circuit, Over temperature		
User Interface & Control	Display	7" T FT LCD Touch screen		
	Support language	English		
	Push Button	Mushroom type Emergency stop switch (Red)		
	Charge Option	Grid responsive metering		
	Visual Indication	Error Indicator; Presence of input supply; State of charger indicator		
	User Authentication	ISO/IEC 14443 A RFID for user authentication		
	Payment	Smart Card, QR/OTP/APP Server based Online Payments		
Communication	B/w EVSE and Vehicle	PLC based communication as DIN 70121		
	B/w charger and Central Server	OCPP v1.6 - 10/100 Base-T Ethernet (Standard)/ Optional GSM Modem (4G Fallback 3G)		
Mechanical	Ingress Protection	IP 54		
	Cooling	Forced Air cooling		
	Dimensions (H x w x D)(mm)	1500x650x500	1800x650x500	2200x700x500
	Charging Cable length	5 meters		
Environmental	Operating Temperature	-20°C to 75°C (derating from 50°C)		
	Humidity (Non-condensing)	0 to 95%		
	Storage Temperature	-20°C to 80°C		
	Altitude	upto 3000Mt.		

Fast Combined Charge Solution (142kW)
(CCS, CHAdeMO & AC Type-2)

Power Input	Input Voltage	415VAC; 3-phase / L1, L2, L3,N, PE
	Input Voltage Range	320VAC to 530VAC
	Input Frequency Range	45Hz- 60Hz
	Power Factor	>0.98
	Efficiency	≥ 95%
	Max. Output Power	142kW (120Kw DC, 22Kw AC)
Power Output	DCOutput 1	CCS 2, 200-750 VDC
	DC Output 2	CHAdeMO, 200-750 VDC
	AC Output	Type 2, AC 3 phase, 22kW max.
	Charging Operation	Cyclic Mode /Parallel Mode
Protection and Safety	Protections	Over current, Under voltage, Over voltage, Residual current, Surge protection, Short circuit, Over temperature, Ground fault, Insulation fault, Emergency Stop etc.
Communication	Charger and Central Server	Ethernet (standard); (4G Fallback 3G) (optional) - OCPP v1.6
	Charger and Vehicle	CAN (CHAdeMO), PLC (CCS), PWM (AC Type 2). As per IEC/EN 61851-1
User Interface & Control	Language	English
	Display	7" Touch Screen LCD
	Push Button	Mushroom type emergency stop switch (Red)
	Visual Indication	Error Indicator; Presence of input supply; State of charge indicator
	Charge options	Auto Charge, Mode Selection (Time/Amount/Power/SOC
	Charging Mode	Mode 4 for DC charging; Mode 3 for AC charging (as per IEC/EN 61851-1)
Payment & Authentication	Payments	Smart Card, QR/OTP/APP Server based Online Payments
	User Authentication	RFID/APP/OTP/QR (as per requirement)
Environmental	Operating Temperature	-20°C to 75°C (derating from 50°C)
	Storage Temperature	-20°C to 80°C
	Humidity	5% to 95% non-condensing
Mechanical	IP Rating	IP 54
	Cooling	Forced cooling
	Dimensions (H x w x D)(mm)	1800 X 650 X 500
	Charging Cable length	3.5M (Standard) / 5M(Optional)

Join the EV revolution with Charzer

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