

exiosn[®]

By  cargar[®]

A PLUG & PLAY SOLUTION FOR EV CHARGING

India's first portable EV Charger

Why eX10sn ?

eX10sn is the game-changer for electric vehicle charging. This portable, easy-to-deploy charger transforms any location into a charging hub. With 10-20 meters of extendable reach with easy payments through UPI, it offers unmatched flexibility and convenience. Say hello to hassle-free charging with eX10sn, your key to EV charging on your terms.

- ✗ **Portability** : Unparalleled flexibility for charging EVs at different locations.
- ✗ **Zero Civil work** : Avoid expensive installation and upgrades.
- ✗ **Easy payments** : No more complex billing. Simple payment through UPI.
- ✗ **Future-Ready** : Easily scale or relocate eX10sn.
- ✗ **Accessibility** : Expand charging networks without any constraints

Enjoy Easy & Hassle free charging



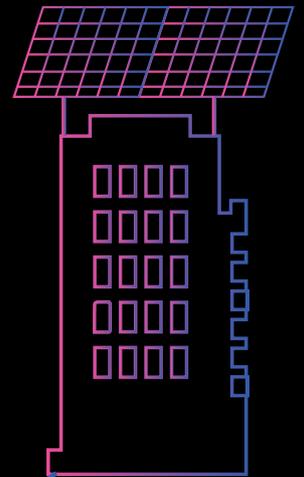
Park anywhere
in a lot



Extend the
ex10sn



Plug-in, Pay
& Charge



WORKS BEST WITH :



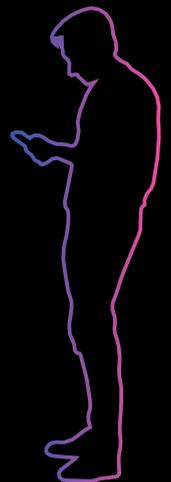
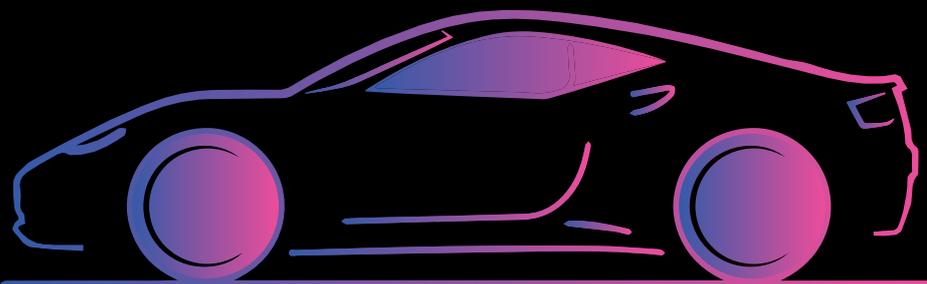
Any Parking
Lots



Any Hotels

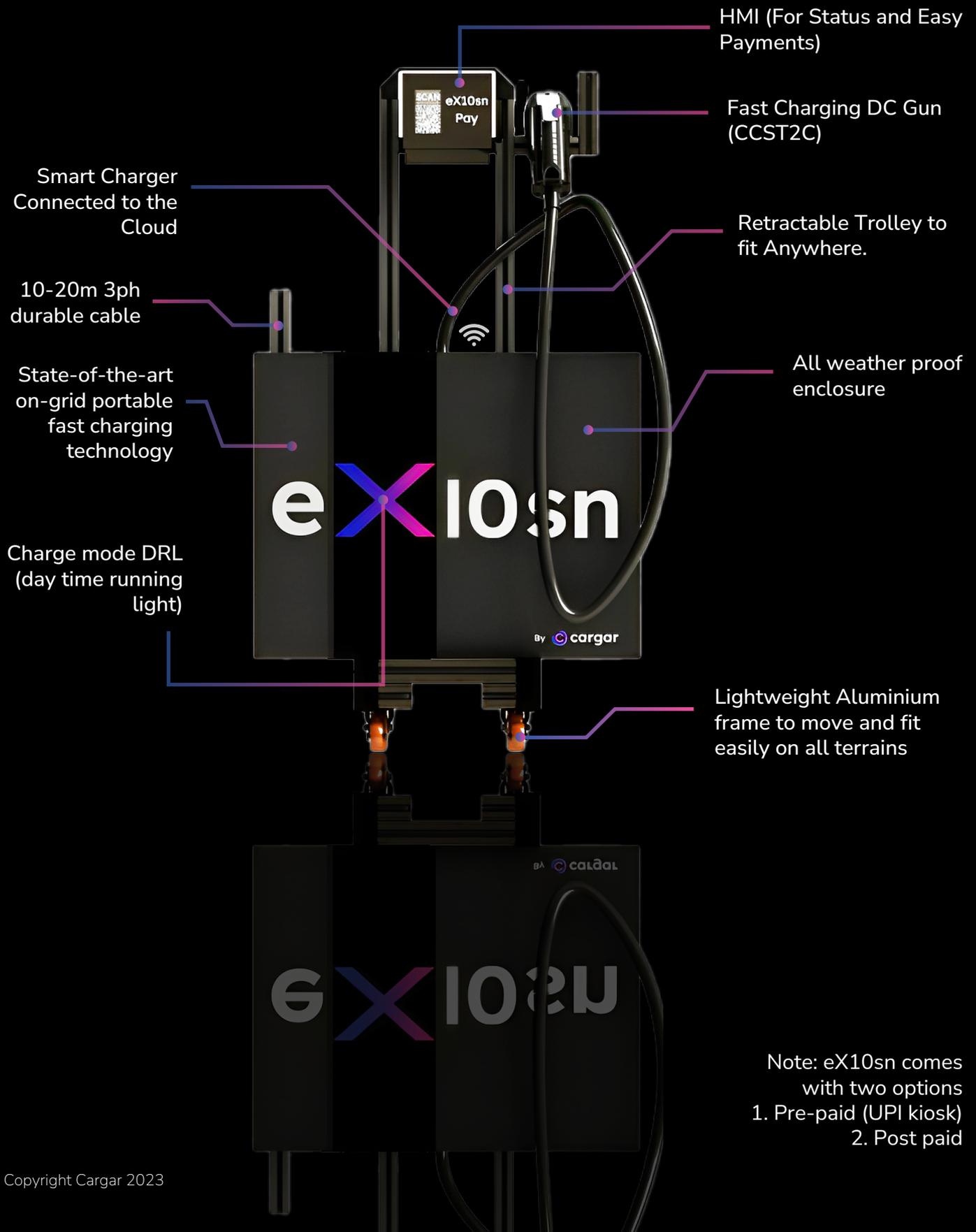


Any Societies



Meet eX10sn

Now any place can be a charging location
in no time





Join our hands to
make EV charging
easier than ever
before.

exIosn[®]

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#startupindia

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eX10sn[®]

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PRODUCT SPECIFICATION





eX10sn is a plug & play EV fast charging device for easy fast charging anywhere-anytime. It is a product designed and developed 100% in India by Cargar.

Cargar is a climate-tech start-up company working on on-grid and off-grid portable/mobile fast charging technology for EVs and energy delivery.

Key features of eX10sn:

- Cargar offers wide power range of portable fast charging kiosk ranging from 20kW to 120kW
- Single gun output to justify the true fast charging
- Portable & easy to move anywhere and charge
- Needs no civil work or major utility upgrades
- Make use of existing infrastructure with unmatched asset utilization
- Plug and play fast charger
- High operational efficiency >95%
- Charge any electric vehicle with up to 1000V battery
- Pre-paid and Post-paid backend system options for user payments
- Easy and apt HMI for easiest user experience
- Up to 20m of highly durable & flexible 3ph AC extension cable
- Easy & direct earning for the operators
- Suitable for all weather conditions (IP54)
- Easy diagnostics & maintenance

Technical Specification of eX10sn 20kW EV charger :

Single Gun	CCS T 2 C
DC output voltage Rating	100V -1000 VDC
Output current rating	~67Amp DC
DC Power	20kW /~67Amps
Input voltage (nominal)	285VAC~475AC
Input Current	< 40Amps
Grid Frequency	45Hz~65Hz
Power Factor	>0.95(4kW<Output power<10kW); >0.98(10kW<Output power<20kW)
ITHD	<5%(10kW<Output power<20kW)
AC Wiring	3Ph (R Y B), N, PE
AC Power rating	22kVA @ 400V AC
Inrush current (Instant Impulse current)	< 100A
Surge Protection	Integrated-IEC61000-4-5
Over current	DC Output:
Under Voltage	AC input: <270 VAC phase to phase
Over Voltage	AC Input: >490 VAC
Over Temperature	Auto de-rated above 55°C Ambient
Residual Current (Leakage)	<30mA
Display	4inch Colour display
Support Language	English
Emergency Switch	Included (Red Mushroom push button)
Energy Meter	Included (AC energy meter)
Visual Indication	"X" LED Presence of Supply
Ingress Protection	IP 54
eX10sn dimension	450mm X 600mm X 250mm
Weight	~45kg
Chassis material	High strength Aluminium
Charger enclosure material	Textured finish powder coated steel
Cooling	Forced Air (Variable speed)
Input cable	Highly durable, flexible 3ph 5 wire cable
Input cable length	Standard 5m (Up to 20m extendable)
Output Gun & Cable	CCS T2 Combo 100Amps rated
Output cable length	1.5m

Operating Temperature	-40°C ~ +60°C, Derating should be used above 55°C
Relative Humidity	<95% RH, no condensation
Storage Temperature	-40°C ~ 75°C
Altitude	<2000m without derating, >2000m, working temperature decrease by 1°C for every 100m
Safety & charging	IEC 61851-1; IEC61851-21-2;
Mean time between failure	>150,000 hours
Design Life	6 years +
Warranty	1 years (standard), extension available

Note: The integrated user payment system is a uniquely developed to ease the process of charging and giving a hassle-free charging experience to the users.

eX10sn comes with two different payment options:

1. *Pre-paid kiosk: Users can make the payment via UPI (only for India) to charge, and get the refund (if any) after the course of charging.
Operators can directly receive the charging amount.*
2. *Post-paid kiosk: Users can make the payment after the session is over as per the amount billed. Users can select a) total time to charge, b) total value of charge c) total units to charge to start the charging process.*