

EV CAR ING DOCK



M2M BASED - PLM ENABLED

EVCD

POWERED BY  **KENIUS**[®]

BROCHURE

**“A 360° solution for EV Charging
and Revenue Management”**

The Need

The Ministry of Housing and Urban Affairs (MoHUA) introduced the amendments in the Model Building Bye-Laws for EV charging infrastructure in February, 2019 which makes it mandatory for residential and commercial buildings to have at least 20% of the parking space for EV charging infrastructure.

With increased adoption of electric vehicles, fuel (petrol/diesel) equivalent of energy will be drawn from the existing electrical infrastructure. The pressure of facilitating such infrastructure will be on real estate developers and RWAs/AOAs.

Electric Vehicle Carzing(Charging) Dock - EVCD is a DIY plug-n-play device with unmatched features - capable of charging electric two-wheelers, four-wheelers, e-rickshaws, e-golf-cart, and/or any e-mobility vehicle.

EVCD is ideal for all residential and commercial spaces with its real-time spot billing via QR code scanning. The web and app-based solution details out the charger locations on Google Map along with their charge fees too. Our system provides the ease of getting integrated with society's existing prepaid metering system as well. Integrated with all modes of online payments – you can now charge your EV with instant payments too.

EV CAR ING DOCK

Ideal for multi-storey buildings, commercial & office complexes, shopping malls, parking lots, hotels & resorts with near real-time spot billing



Cutting-edge IoT technology, low cost with unmatched features, DIY plug-n-play device



M2M BASED - PLM ENABLED

Capable to charge electric two-wheelers, e-rickshaw, e-golf-cart & any e-mobility vehicle



Ease of revenue realisation for builders, RWAs, and recharge facility providers



Integrated with all modes of online payments



Web and app-based presence on Google Map of charger location and information on recharge rates of the facilities



Grid interactive for Demand Side and Peak Load Management



M2M BASED - PLM ENABLED

Capable of getting integrated with existing prepaid metering system



Energy metering and billing standards-compliant



How does EVCD work?

The EVCD has internal relays to be operated when the EV user scans the QR over the module to authenticate themselves and then taps the Start Button over our Mobile Application.

The power supply switches off under following conditions:

- User taps the Stop button on the Mobile App
- Time set for charging on the App user can set time to charge. When time is up, the relays switch off
- Overload
- Earthing failure

After the charging session completes, the back-end determines the bill and can deduct from the prepaid system or monthly billing could be done or immediate payment through payment gateway. Whatever the payment modality is, if payment is not done users will be barred from further charging till the payment is done.

Technical Specifications - EVCD

Voltage	1 phase, 230 VAC (-40% to +20%)
Current	40 A
Frequency	50 Hz +/- 5%
Accuracy	Class 1
VA Burden	3 VA
Display	Backlit LCD with Wide viewing angle
Clock	Internal RTC
Communication	RF (License free band) or 4G WAN
Network Security	128 Bit AES
Compliance	IS 13779
Operating Conditions	-20 to 70 °cel., RH 95%
Edge Intelligence	Pre-defined exceptions to be handled as per delegated intelligence



Address:- Radius Synergies International Private Limited, H-98, Sector 63, Noida, Uttar Pradesh - 201301
Telephone: +91 88004 94870 | Email: evcd@radius.co.in | Website: www.evcd.in