YoCharge

Top 10 Features of EV Charging Management Software

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YoCharge White label EV Charging Software

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What is White label EV Charging Software?

White-label EV charging software is a complete solution that allows you to launch your **own branded EV charging network** without the hassle of building everything from scratch. It empowers you to manage stations, handle payments, and offer a seamless charging experience for your customers – all under your brand.

THE FUTURE OF MOBILITY IS ELECTRIC, AND YOCHARGE IS YOUR KEY.

The electric vehicle (EV) revolution is here, and businesses are looking for ways to capitalize on this rapidly growing market. YoCharge White-Label EV Charging Software provides the perfect solution, allowing you to seamlessly launch, operate, and scale your own brand of EV charging stations.

It's a comprehensive end-to-end solution that empowers you to manage all aspects of your EV charging network.

INVESTING IN YOUR FUTURE!

YoCharge White-Label EV Charging Software isn't just about technology - it's about strategic investment. By entering the EV charging market, you can gain significant advantages:

- **Attract Eco-Conscious Customers**: Cater to a growing demographic of environmentally conscious consumers seeking EV charging options.
- **Increased Property Value**: Enhance the value and marketability of your property by offering EV charging infrastructure.
- **Sustainability Leadership**: Play a vital role in promoting a cleaner future and demonstrate your commitment to sustainability.

TOP 10 FEATURES OF
EV CHARGING SOFTWARE

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White-label

Hardware Agnostic

Payments & Billing

OCPP Compliant

EV Roaming Support

Real-time Monitoring

End to End Solution

Secured Operations

Renewable Power

Dynamic Load Management

1. White label

A brand's identity is crucial in the competitive market of EV charging to differentiate your business. White labeling allows businesses to customize their EV charging software with logos, colors, and fonts, creating a unique identity. This strategy helps differentiate businesses, build customer loyalty, and promote brand identity in the growing EV industry.

Benefits for Your EV Charging Business:

✓ Stand out from competitors with a personalized charging experience.

✓ Foster stronger connections and brand loyalty with a branded interface.

✓ Ensure brand consistency as your EV charging network expands.
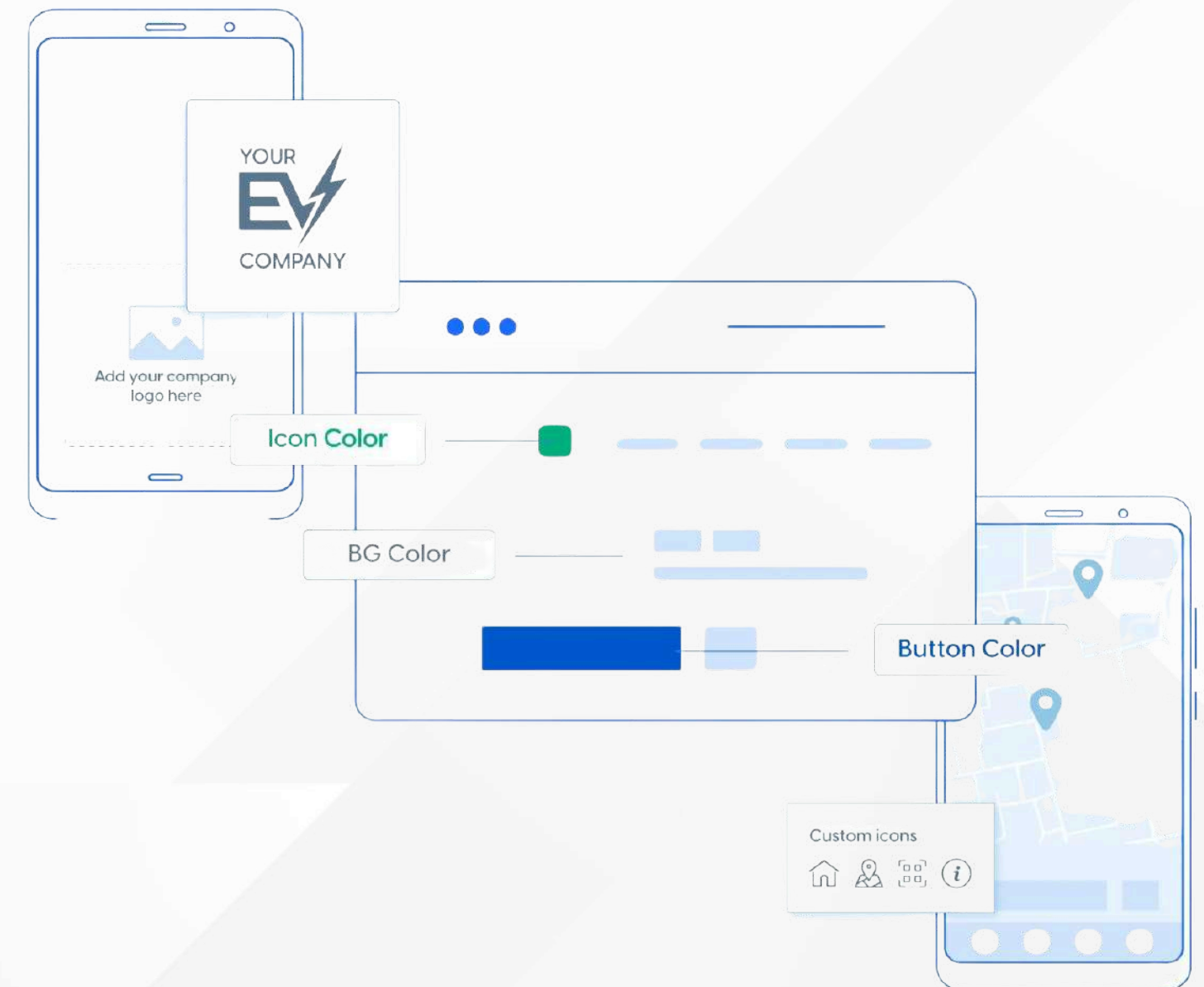
Features of White-labelling

- Customizations such as location pins, buttons, and background colors serve to establish a unique brand identity for your service offerings.
- Both the mobile app and the back-end management portal, along with customer-facing interfaces, are fully customizable to align seamlessly with your brand.
- It ensure that there is no mention of the service provider is present in any documents or interfaces accessible to customers.
- Promotion of the business's own brand to build customer loyalty and win B2B partnerships.
- Businesses can quickly launch and scale their EV charging operations by using our white-label software without the need to build everything from scratch.

BUILD YOUR BRAND WITH YOCHARGE WHITE-LABEL EV CHARGING SOFTWARE

2. Hardware Agnostics

Hardware agnostics in the context of EV charging software refers to the ability to work with a wide range of charging station hardware from different manufacturers, without being limited to a specific brand or model. Hardware-agnostic allows businesses to choose the best charging stations for their needs, without being locked into a single vendor.

How YoCharge Ensures Hardware Agnostics?

- YoCharge adheres to the industry standard OCPP, ensuring seamless communication with various charging stations regardless of manufacturer.

- Our software integrates with a wide range of charging hardware models from different manufacturers, eliminating the need for custom integrations for each brand.

- YoCharge offers peace of mind by guaranteeing compatibility with charging stations from any Original Equipment Manufacturer (OEM).

- YoCharge actively supports upcoming OCPP 2.0.1 standards, ensuring your platform remains compatible with the latest and future charging hardware advancements.
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Benefits Of Hardware Agnostics For Your EV Business

Reduces Costs: The ability to choose the best value charging station hardware helps manage the initial investment costs. Businesses can take advantage of good deals from different vendors without being locked into a single hardware provider.

Future-proofing: A hardware-agnostic system based on the Open Charge Point Protocol (OCPP) allows businesses to update the firmware of all their charging stations, ensuring the network stays up-to-date with the latest technologies.

No Vendor Lock-in: As the charging network expands, businesses can add new charging stations from different manufacturers to existing locations without disrupting the software performance and management.

Freedom of Choice: With hardware-agnostic software, businesses can choose the OCPP-compliant charging stations that best fit their specific business needs, without being limited to a single hardware manufacturer

Future-proofing: A hardware-agnostic system based on the Open Charge Point Protocol (OCPP) allows businesses to update the firmware of all their charging stations, ensuring the network stays up-to-date with the latest technologies.

3. Payment And Billing

A key aspect of a successful charging platform is seamless customer payments. YoCharge's payment gateway system allows EV drivers to pay with their credit cards or chosen methods. It's crucial to consider transaction costs and fees when choosing a payment processor.

Maximize Revenue with Flexible Billing and Payments

- **Tariffs**: Set prices for charging at stations, establish charging restrictions, and control user access using tariff management modules.
- **Tariff Groups**: Set different prices based on customer types (individual, fleet, public, private) and locations (homes, parking lots, residential buildings) to offer tailored pricing and incentives.
- **Partner Settlement**: Generate partner settlement reports to aggregate revenue and expenses, providing a clear overview of financial transactions with partners.
- **Invoicing**: Issue invoices and receipts for drivers using credit cards or apps on charging stations within the network, ensuring transparent billing processes.

Payment Methods and Plans:

- **Multiple Payment Gateways**: We offer multiple and flexible payment options such as credit and debit cards. YoCharge's EV Charging Software also integrates with global payment gateways such as RazorPay, PayPal, Stripe, PhonePay and more for a convenient user experience and payment flexibility.
- **Pre-Paid Balances**: Allow customers to seamlessly top-up their accounts via credit card for frictionless charging.
- **Loyalty-Boosting Packages**: Offer pre-paid packages with bonus incentives to encourage customers to pre-pay and boost loyalty.
- **Voucher & Promo Code Integration**: Integrate pre-defined top-up vouchers or promo codes for targeted promotions and user access control.
- **RFID Smart Card**: Enable secure and contactless payments through RFID smart card integration.

4. OCPP Compliant

OCPP, which stands for Open Charge Point Protocol, is essentially a universal language for electric vehicle (EV) charging stations and charging network software. Developed by the Open Charge Alliance (OCA), it creates a standardized way for these components to communicate with each other.

YoCharge specifically supports OCPP in versions 1.6j and 2.0.1.

It is a widely adopted communication protocol that enables chargers and central management systems to exchange information. It ensures smooth operation and data exchange between YoCharge's EV-CMS and the charging stations.

Real-World Advantages of YoCharge's OCPP Compliance

- A customer on a road trip with an EV from a different manufacturer can conveniently charge their car at your station using their existing app or payment method, thanks to OCPP interoperability.

- You can easily integrate your charging network with other OCPP-compliant networks, expanding charging options for your customers and potentially generating additional revenue through roaming agreements.

- YoCharge acts as a single platform for managing all stations, regardless of manufacturer or network affiliation.

- OCPP compliance ensures compatibility with future charging technologies and network developments.

Why choose YoCharge as your OCPP Partner?

Smooth Sailing: Our team is well-versed in OCPP implementation. We'll handle the technical side seamlessly, so you can focus on running your business.

Always Compatible: The EV world is constantly innovating. YoCharge is committed to staying up-to-date with the latest OCPP standards. This ensures your charging network stays compatible with new technologies as they emerge.

Dedicated Support: We offer top-notch support services to make sure your OCPP integration runs smoothly and any compatibility issues are addressed promptly.

UNLOCK A NETWORK OF POSSIBILITIES: YOCHARGE & OCPP COMPLIANCE

Choose YoCharge as your OCPP partner to gain access to a wider range of charging stations in the EV market. Partner with YoCharge to unlock the full potential of your charging network and navigate the world of EVs together.

5. EV Roaming

EV roaming is a service that allows electric vehicle (EV) drivers to access and pay for charging at any public charging station, regardless of the network operator or service provider.

In simple terms, EV roaming works like mobile phone roaming. Just as you can use your mobile phone on different networks when travelling, EV roaming enables EV drivers to charge their vehicles at charging stations operated by different companies.

Benefits:

✓ **Elimination Of "Range Anxiety"**: EV drivers can access a much larger network of charging stations, reducing the fear of running out of battery while on the road.

✓ **Increased Charging Options**: EV drivers can charge at stations beyond their "home" network, providing more flexibility and convenience.

✓ **Seamless Experience For Drivers**: EV drivers can use a single account or app to access and pay for charging across multiple networks.

✓ **Expanded Customer Base:** Charging point operators (CPOs) and e-mobility service providers (EMSPs) can attract more customers by offering access to a wider network of stations.

EV roaming offers several key features that enhance the charging experience for electric vehicle (EV) drivers. These features include:

- **Seamless Access:** EV roaming allows drivers to access a wide network of charging stations across different networks and countries, eliminating the need to manage multiple accounts or contracts.

- **Single Account Management**: EV roaming enables drivers to use a single account to access and pay for charging at various stations, simplifying the process and reducing administrative tasks.

- **Increased Charging Options**: By connecting to a broader network of charging stations, EV roaming increases the options available to drivers, reducing range anxiety and enhancing the overall charging experience.

- **Automated Payment Systems**: EV roaming often includes automated payment systems, which streamline the charging process and eliminate the need for manual transactions.

- **Real-Time Availability Information**: EV roaming networks typically provide real-time information about charging station availability, helping drivers plan their charging sessions more effectively.
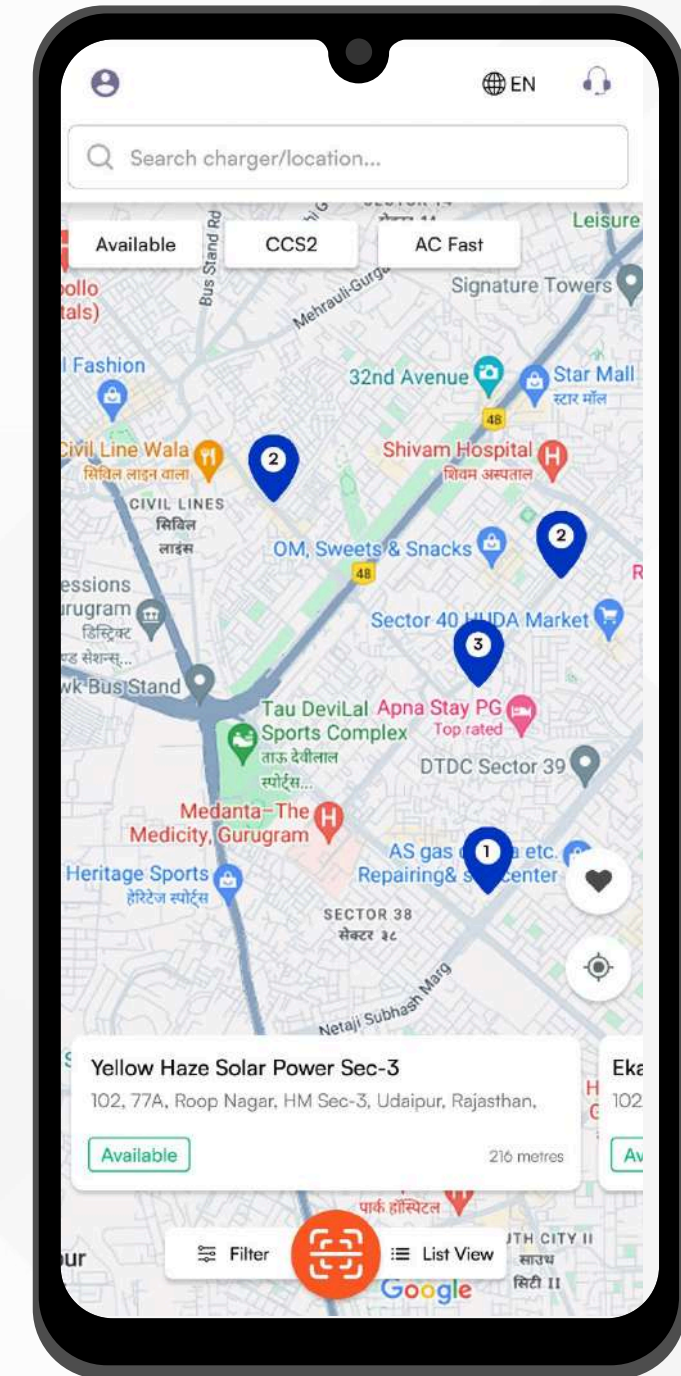
6. Real-Time Monitoring and Management

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With real-time issue detection and automated fault-recovery algorithms software, your charge point can quickly be up and running without the need for on-site maintenance, cutting costs and ensuring a reliable charging service for customers. The right software for managing your EV charging network allows for easy scalability and operational efficiency.
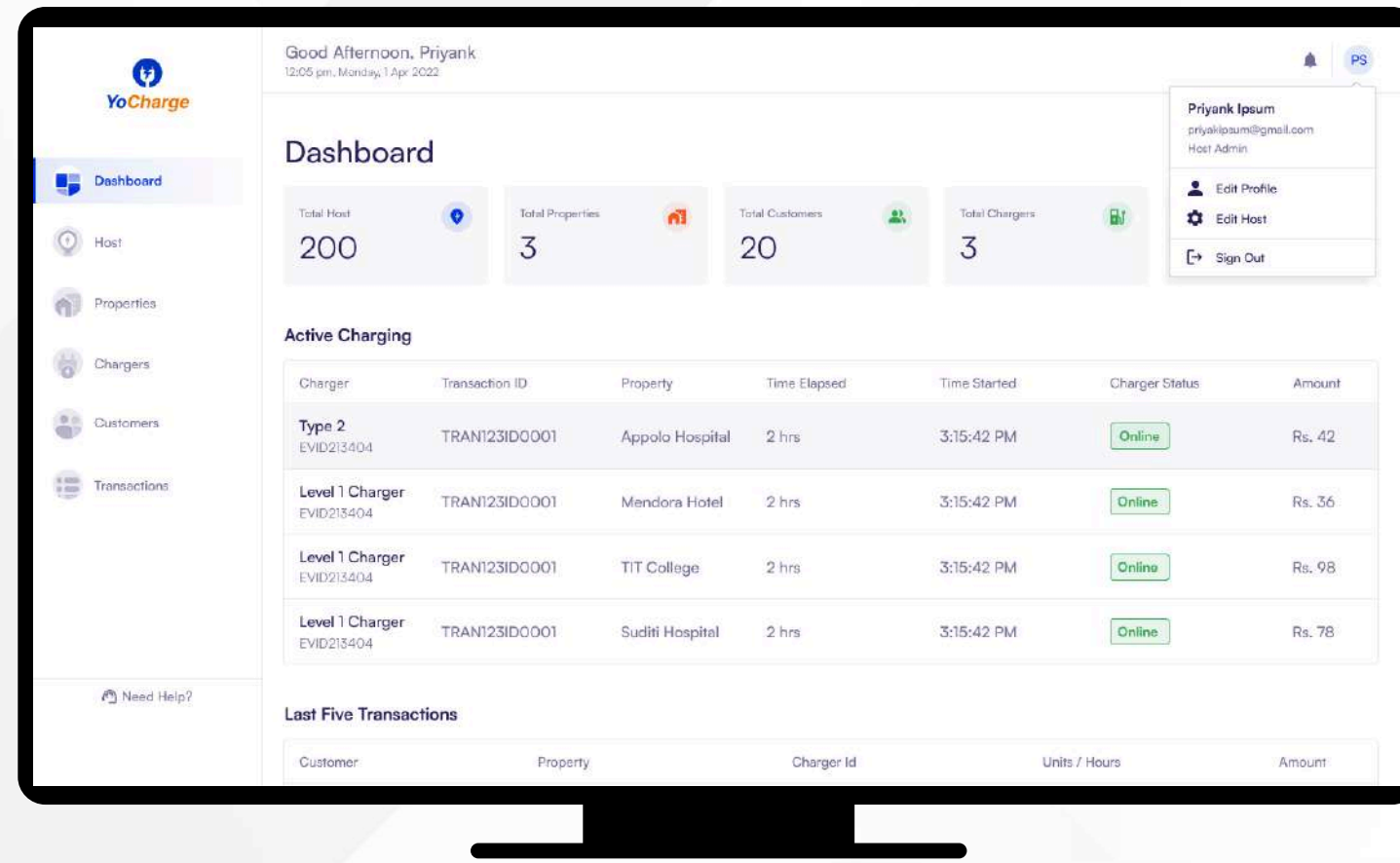
Benefits:

✓ **Enhanced Operational Efficiency:** Proactive monitoring and real-time data empower you to optimize performance and resource allocation.

✓ **Improved Uptime and Reliability:** Minimize downtime and ensure a seamless charging experience for your customers.

✓ **Reduced Operational Costs:** Identify and address potential issues promptly, minimizing maintenance needs and service calls.

✓ **Data-Driven Decision Making:** Gain valuable insights and leverage historical data to optimize your network and future strategies.

YoCharge Real-Time Monitoring & Management

Live Station Status: Gain instant insights into the operational status of all your charging stations through the YoCharge dashboard.
- Monitor individual station details like availability (in use, idle, under maintenance), power output, and network connectivity.
- Identify potential issues proactively and prevent downtime for a reliable charging experience.

Remote Troubleshooting: YoCharge empowers you to troubleshoot issues remotely, minimizing downtime and service calls.
- Diagnose potential problems like hardware malfunctions or software glitches through real-time data analysis.
- React swiftly to resolve issues and ensure a smooth charging experience for your users.

Detailed Transaction Tracking: Keep track of all charging sessions happening across your network in real-time.
- Monitor energy consumption per session, track user activity, and identify usage trends to optimize pricing strategies.
- Gain valuable insights for data-driven decision making regarding network expansion and resource allocation.

7. End-to-End Solution

YoCharge offers end-to-end solution for setting up, maintaining, and managing EV charging infrastructure. It simplifies charger placement, access control, usage data analysis, and ensures optimal charger performance through real-time monitoring and remote diagnostics.

YoCharge Tackles Each Key Area Of Your End-To-End Needs

1.Property Management

YoCharge simplifies integrating EV charging into your existing property infrastructure. It manages charging station locations, availability, and access control through a user-friendly platform.

2. Charger Management:

YoCharge's platform supports a wide range of AC and DC chargers from various manufacturers. It allows real-time monitoring to track charger health, performance, availability and energy consumption. Our remote diagnostics and troubleshooting capabilities minimize downtime and ensure smooth operation.
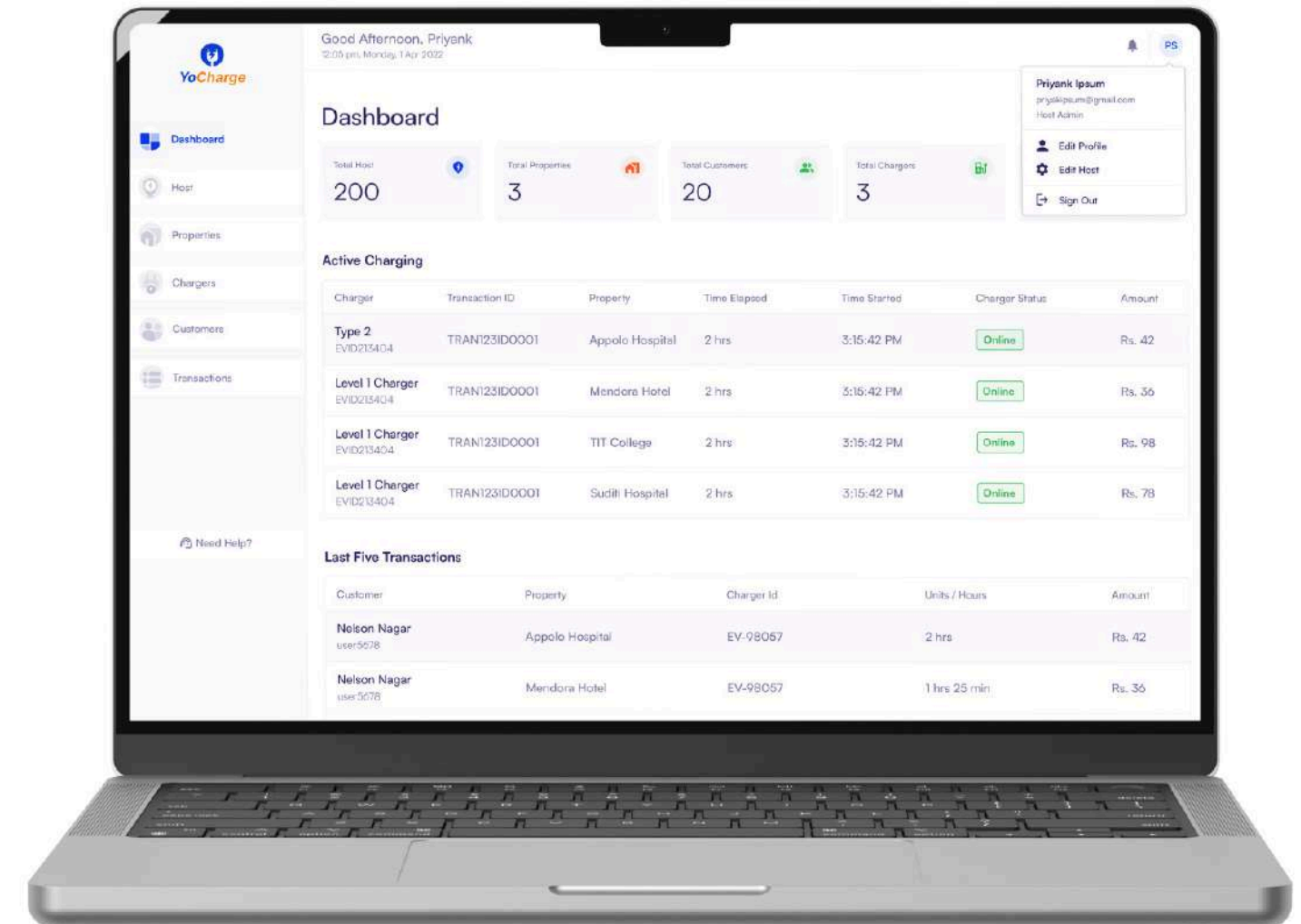
3. Energy Management

As electric car usage rises, efficient energy management is crucial for charging point operators to maximize profitability. YoCharge achieves this by scheduling off-peak charging, distributing loads to avoid grid overload, integrating renewable energy like solar or wind power, and implementing V2G technology to feed excess power back to the grid during peak demand.

4. Payment Management

YoCharge offers flexible payment options for EV drivers, including credit cards, mobile wallets RFID cards and UPI. You also get the invoice of the payment which include the energy consumed, tariff rates, your payment amount, or other factors.

5. Customer Management

YoCharge provides a user-friendly mobile app for EV drivers to locate stations, check availability, and initiate charging sessions. We address customer queries and provide 24/7 support efficiently.
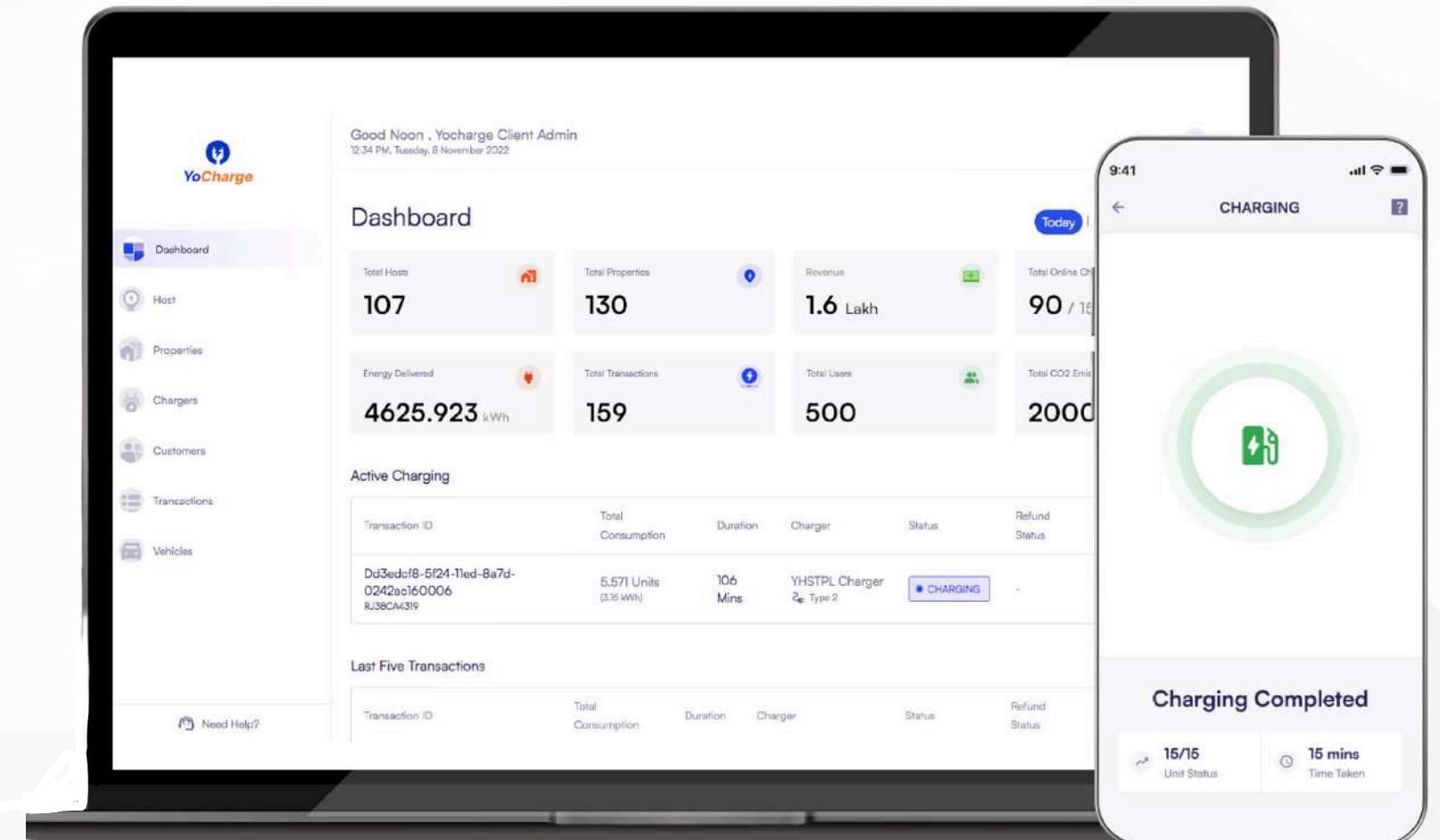
8. Secured Operations

Security is paramount in EV charging management to ensure the reliability, efficiency, and safety of charging operations. A robust software platform that prioritizes security can accommodate the growing demand for EV charging services while safeguarding sensitive data and ensuring uninterrupted service delivery.

- Cloud-Based Architecture: Our software utilizes a cloud-based architecture that enhances the security & scalability by allowing the software to connect numerous chargers seamlessly and provide high availability with zero downtime for users.

- Industry-Leading Security Standards: Adhering to industry-leading standards such as ISO 27001, SOC, GDPR, and others ensures that the software meets stringent security and privacy requirements, safeguarding user data and preventing unauthorized access.

- Scalability Flexibility: Our software offers maximum flexibility to scale up and across different markets, manage a high volume of charging sessions, add new partners and customers, and integrate new components seamlessly.

Benefits:

✔ YoCharge prioritizes the security of its data. By using AWS (Amazon Web Services), a leading cloud provider. AWS employs industry-standard practices like encryption at rest and in transit to safeguard the crucial data.

✔ Robust security features protect the software from cyber threats like hacking and malware, reducing the risk of disruptions to charging operations and potential data breaches.

✔ By prioritizing security, you can build trust with customers, instilling confidence in the safety and reliability of the charging infrastructure.

9. Renewable Power Integration

The EV revolution is undeniably coupled with the pursuit of a greener future. While electric vehicles themselves contribute significantly towards reduced emissions, imagine powering your charging network with clean, renewable energy sources like solar or wind power. This is where YoCharge's Renewable Energy Integration feature comes into play.

Benefits:

✓ **Reduced Emissions**: By using renewable energy, EV charging significantly reduces greenhouse gas (GHG) emissions compared to traditional fossil fuel.

✓ **Grid Independence**: On-site renewable energy generation can make EV charging stations less reliant on the traditional power grid, especially in remote areas.

✓ **Grid Stability**: Renewable energy with battery storage can help balance the grid by absorbing excess power generation and providing power during peak demand. V2G technology can further contribute to grid stability.

✓ **Cost Savings:** In the long run, renewable energy can offer cost savings compared to relying solely on the grid, especially with volatile energy prices.

YoCharge helps to integrate renewable energy in the following ways:

- **Seamless Integration**: YoCharge's platform seamlessly connects your charging stations with chosen renewable energy sources.

- **Real-Time Data Monitoring**: Gain valuable insights into your energy consumption and renewable energy generation through YoCharge's intuitive dashboard. You can monitor energy production, identify potential issues, and optimize your overall energy usage.

- **Dynamic Charging Strategy with Prioritization**: YoCharge allows you to customize your charging strategy to prioritize renewable energy utilization whenever possible. This ensures you maximize the use of clean energy and minimize reliance on the grid.

- **Cost Analysis and Reporting Tools**: Track your energy costs associated with both renewable and grid-based power. YoCharge's reporting tools provide valuable insights to help you assess the cost-effectiveness of your renewable energy integration.

10. Dynamic Load Management

Dynamic Load Management (DLM) is a crucial feature in EV charging management software that ensures efficient and safe charging operations while minimizing the strain on the electrical grid. This feature is particularly important for businesses that operate multiple charging stations, as it allows them to manage the power distribution dynamically and prevent overloading of the grid.

Benefits:

✓ **Cost Savings:** DLM reduces the need for expensive grid upgrades, saving your business money.

✓ **Increased Efficiency:** Optimizes charging operations, saving time on maintenance and improving reliability.

✓ **Grid Safety:** Prevents grid overloading, ensuring safety for both the grid and charging equipment.

✓ **Scalability:** Easily scales charging operations with growing demand, maintaining efficiency and safety.

Features:

- Power Limiting: DLM allows you to set a power limit for a specific charging station or a group of stations. This ensures that the total power consumption does not exceed the available capacity of the electrical grid, preventing overloading and potential damage to the grid or the charging equipment.

- Priority Charging: With DLM, you can define priority rules based on user groups or location. For example, you can prioritize subscribers over ad-hoc users, ensuring that critical charging needs are met first.

- Integration with Building Management Systems (BMS): DLM can integrate with BMS to automate the limit settings of the circuit and receive consumption data over an API. This enables you to manage energy demand and optimize charging operations based on the building's energy usage.

![YoCharge logo]

Are you looking for the right EV charging software to power up your EV charging business?

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Reach us on sales@yocharge.com

or Call us on +91-9462878912

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THANK YOU