

CCMS Service Guide

Cloud Charging Management System

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Introduction

loCharger CCMS is a cloud-based charging management platform that allows operators & sub-operators to optimize the users' charging experience.

Operators can easily manage accessibility and remotely monitor stations and bill users easily through a single background management system, and generate a variety of valuable data on how your stations are being used.

The loCharger dynamic end-to-end EV charging management platform, with unique and powerful software capabilities, is enabling EV Charging operators to manage and control assets while maximizing revenues and user satisfaction.

The solution also streamlines collaboration with partners and third parties.

Our platform offers all the capabilities you need to effectively manage your EV Charging network, this CCMS Service Guide provides you an overview of our basic charging management platform and the features available.

Key Features

1. Intimate operation management framework

- a. Easy for network expansion, under main operator & sub-operator two-tier operation management framework
- b. Modular & Open Platform with customizable logo, dashboards, and role management
- c. Smart Load Balancing available for charging station with limited capacity
- d. Payment via mobile app or RFID card, and both a pay-as-you-go with credit card or subscription membership available
- e. Flexible billing plans available with electricity fee, service fee, reservation fee and idle fee
- f. Capable of using a simple, standard process to certify any OCPP capable charging stations
- g. Taking data protection and security of data very seriously with encryption and anonymization

2. Effective EV Driver self service

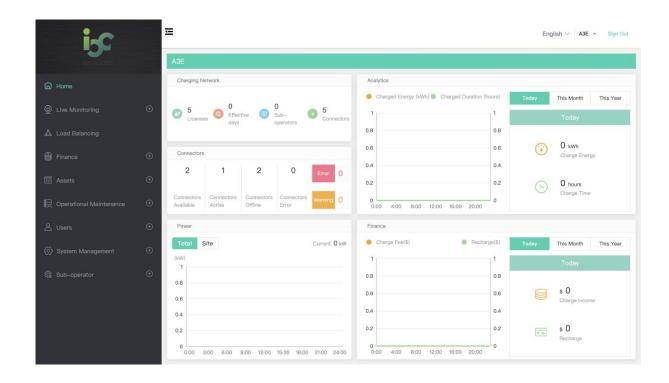
- a. Easy to manage the charging, account, and billing from native iOS and Android Apps
- b. Charger availability visible from the map
- c. Remote charging control
- d. Online charger reservation

3. Powerful value-added service support

- a. White label CCMS portal & App
- b. Advertising system integration
- c. Local POS integration
- d. Seamless roaming within OCPI platforms
- e. EV fleet management
- f. Powerful energy management V2G

Technical Points

1. Home



Graphic information is available with the home menu, and operators can easily to get the major information about,

1. Charging Network

License and Effective days, which is related to the agreement terms sub-operators and connectors, which is related to the charging network scale

2. Connectors

Live connector status monitoring for easy management and maintenance

3. Power

Live power status monitoring with whole charging network and separate site

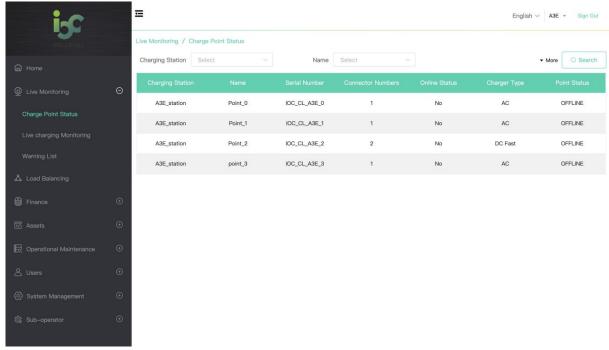
4. Charging Analytics

Easy to get the charging data by day, month, or year

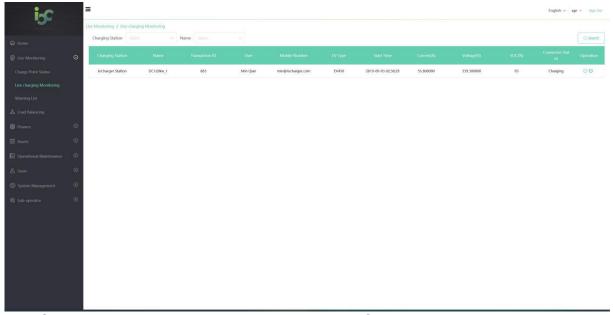
5. Finance

Fiance information available by day, month, or year

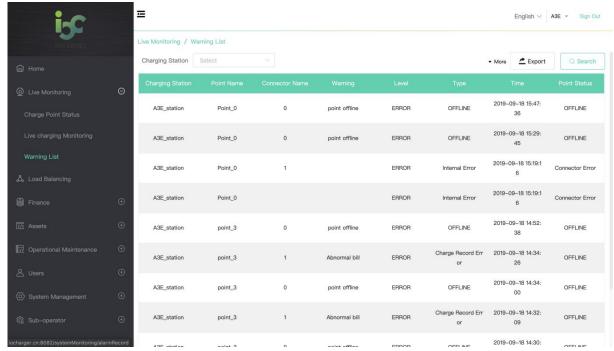
2. Live Monitoring



Charge Point Status for live status check and management

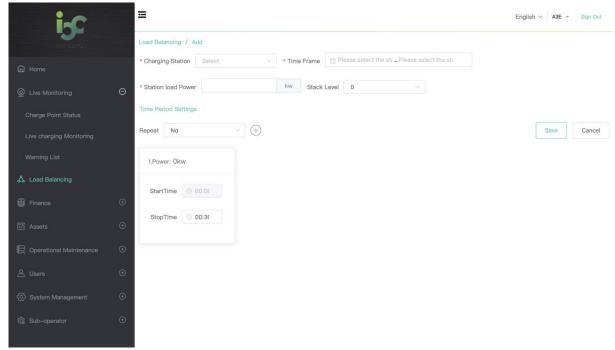


Live Charging monitoring with details like Voltage, Current, etc.



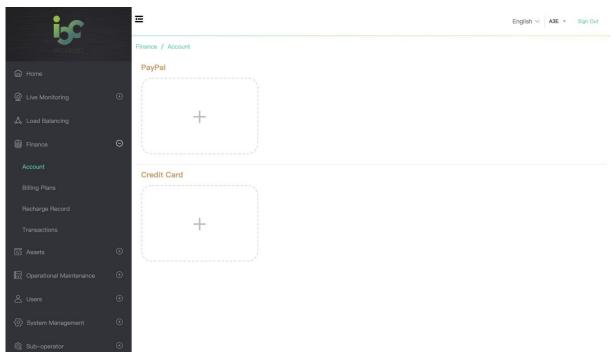
Live Warning list for fast online support and maintenance

3. Load Balancing

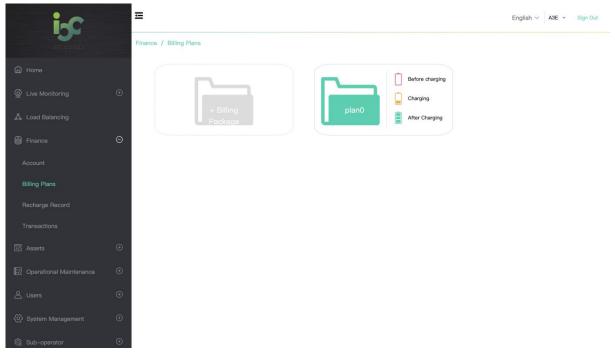


Loading balancing is specially designed for the station with limited energy supply, by distributing the available capacity automatically. Operators may create different stack level load balancing plan for each location, during the specific time or regularly.

4. Finance



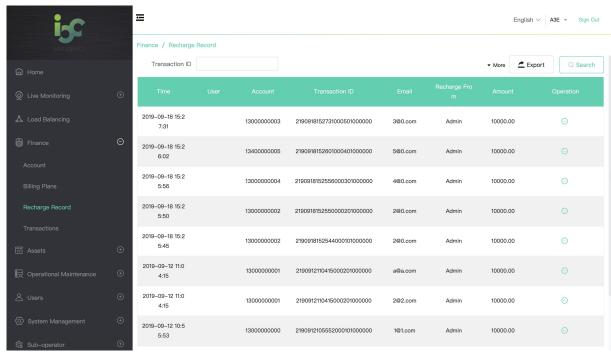
Flexible payment options are available with Paypal, credit card or other local options.



Flexible billing plans available with electricity fee, service fee, reservation fee and idle fee, during different charging stage, before charging, in charging, and after charging, operators may create different plans for different market strategy or promotion plans.

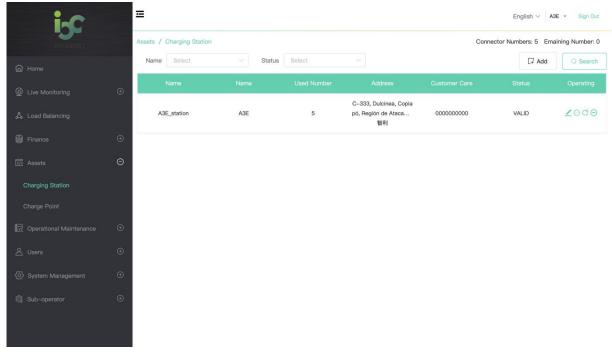


Recharge history available for record

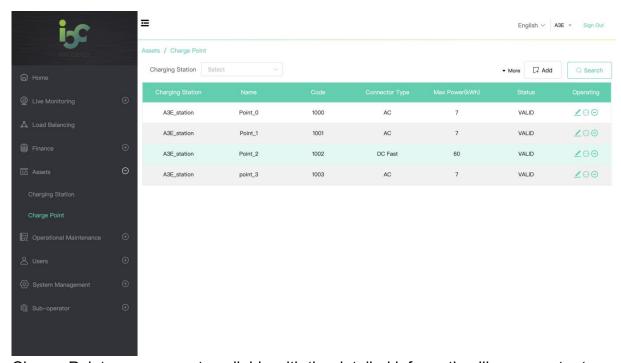


Charging history available for transaction record

5. Assets

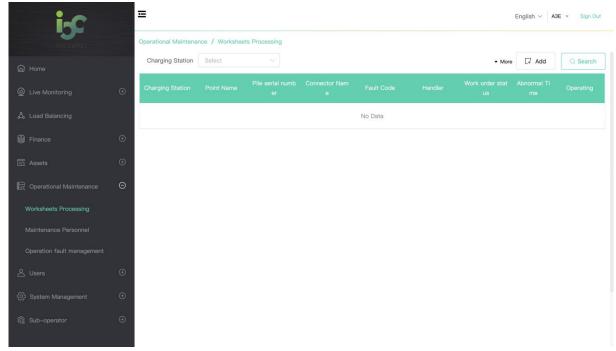


Charging Station management for all the locations

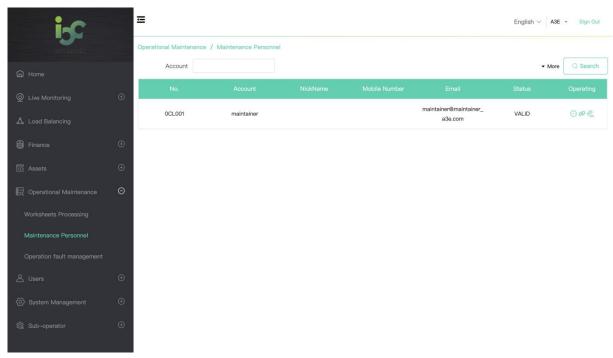


Charge Point management available with the detailed information like connector type, max power and status.

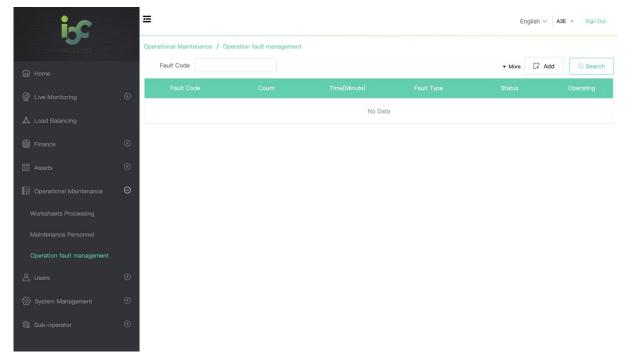
6. Operational Maintenance



Worksheets Processing record

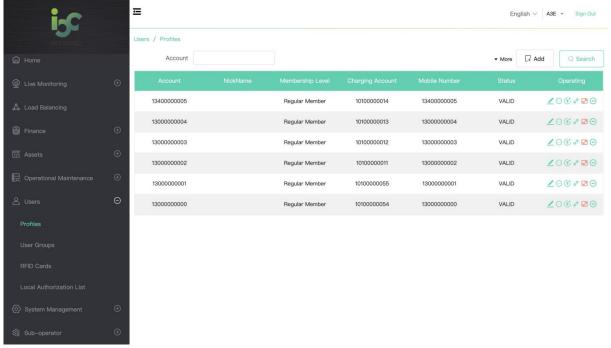


Maintenance people management

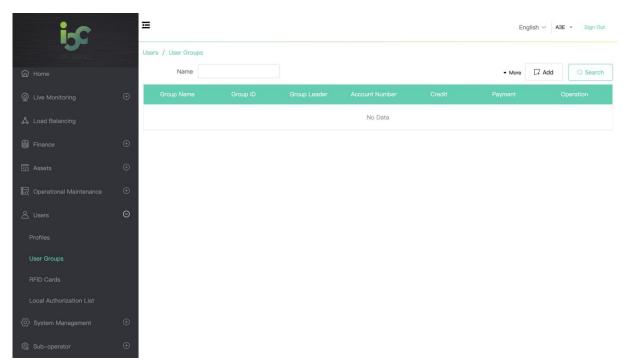


Operation Fault Management

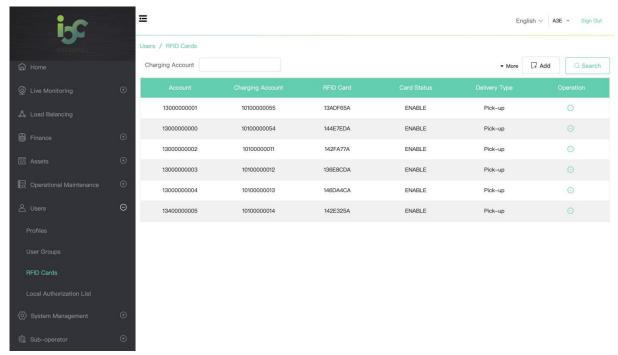
8. Users



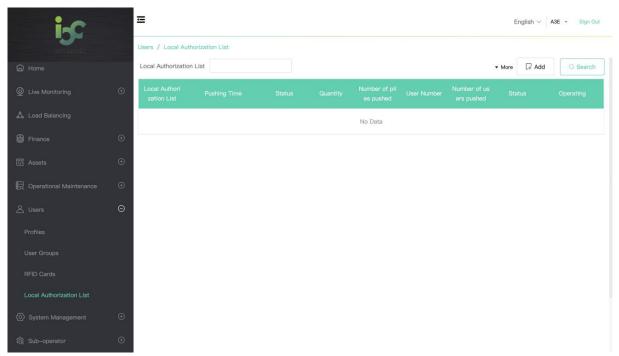
User Profiles



User group with group account and group price available, group member may manage the EV charging of other members with authorization

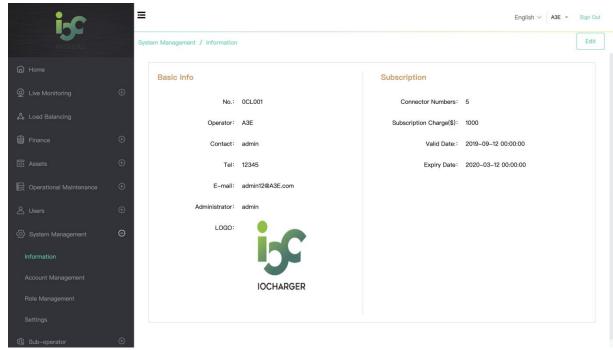


Physical RFID Card management

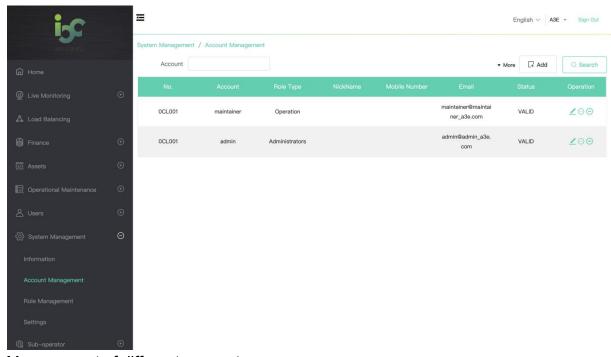


Local authorization list for offline local charging management which is defined in OCPP1.6J

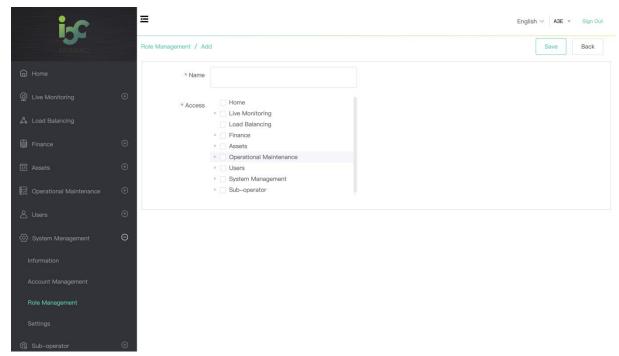
8. System Management



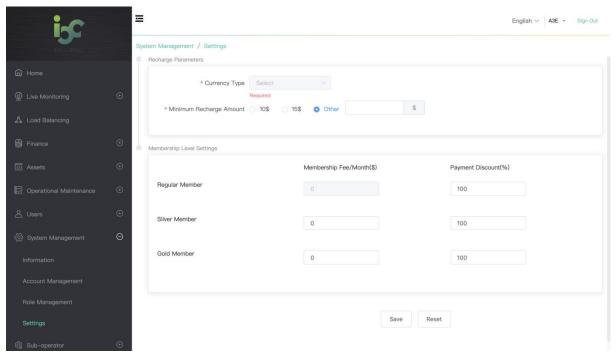
Operator basic information and subscription data, customized logo support



Management of different account

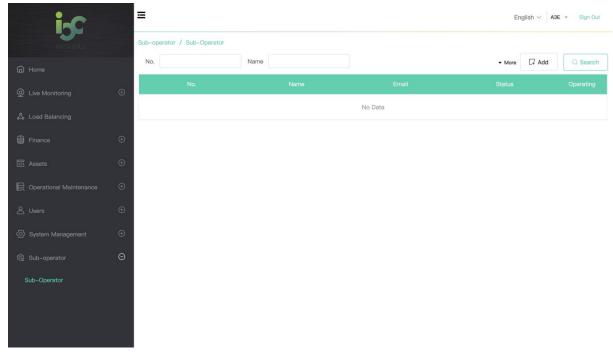


Different Role Manager may have access of different management modules



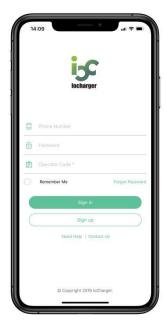
System settings for currency type, recharge amount, and also membership

9. Sub-operator

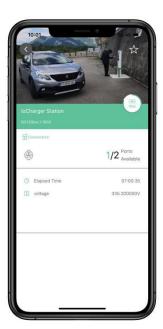


Sub-operator Management

10. Mobile APP







Mobile APP with navigation, payment, remote start/stop charging, recharging, history records, favorite, reservation, membership,