



# EV Charging Solution

## DeltaGrid® EV Management

### Features

- Cloud management for large-scale charging network
- Remotely real-time status monitoring, simplify O&M efforts
- Load management and current limit enhance electrical safety
- AI smart scheduling spreads peak demand to benefit from TOU pricing
- Account and diverse payment enable flexible tariff plans
- Integrate solar and energy storage to optimize energy dispatching



Communities



Malls



Parking  
Lots



Charging  
Stations



Factories



# Fully-Equipped with EV Charger, Membership, Payment, and Energy Management.

DeltaGrid® EV Management charging station management system integrates charger and energy management in a cloud architecture. It helps operators increase the management efficiency of their charging networks while reducing the complexity of regular operation and maintenance for site managers.

In addition to remote charger monitoring, the system integrates grouping, load management, time-of-use pricing to ensure the electricity use is controllable. Featuring account management, flexible tariff setting, as well as diverse payment mechanisms, it provides a flexible business models and rate structures for the operators.



## Fulfill Operation, Management, and User Needs



### Charging Station Operators

- Civil Parking Lot Operators
- Charging Service Networks
- Gas Stations



### Site Managers

- Community Management Committees
- Property Management • Fampuses
- Recreational Sites • Factories • Malls



### EV Drivers

- Residents
- Employees
- Consumers



Comprehensive and Well-developed Functions  
**Optimize Operational Efficiency**

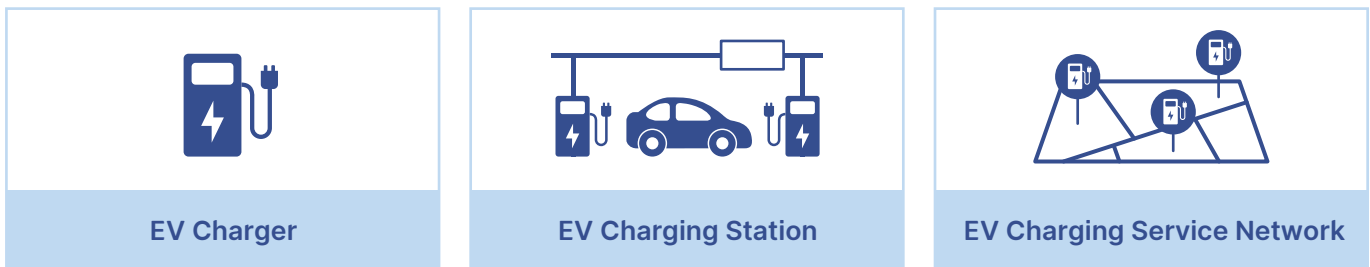


No Effect on Existing Facilities  
**Minimize Maintenance Efforts**

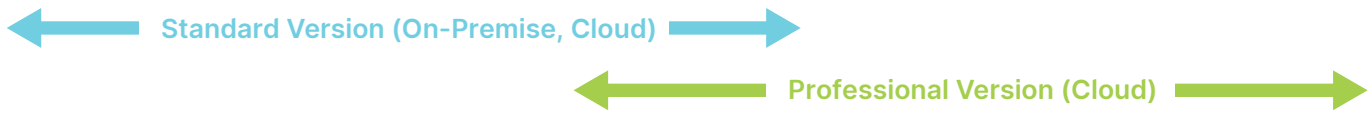


Simplified Charging Procedure  
**Convenient to Use**

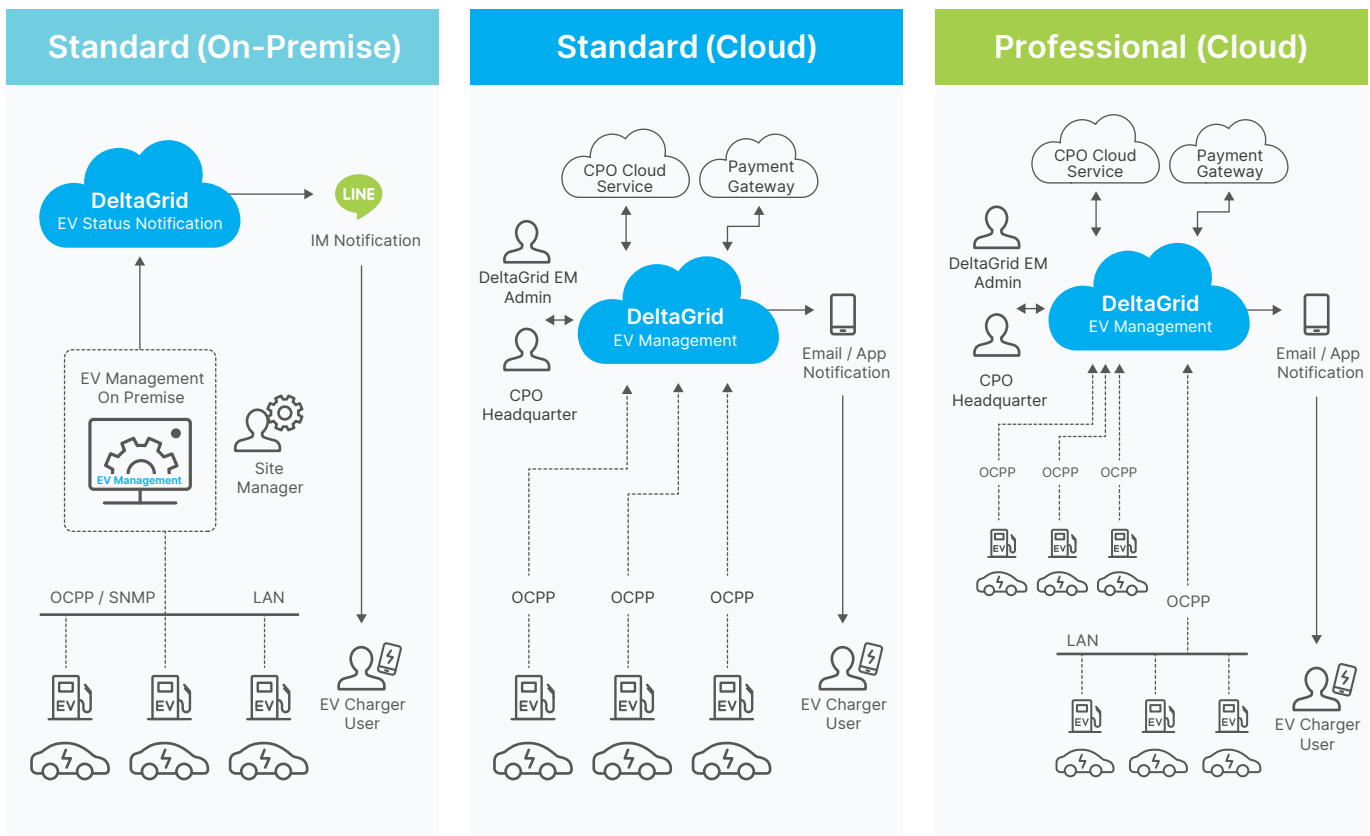
# Applicable Sites



- Charger management
- Remote update and maintenance
- Charger list and status monitoring
- Flexible charging rate setting
- Group scheduling and load management
- Multiple sites real-time monitoring
- Statistical data analysis
- Membership and account management
- Integrate diverse payment mechanisms



# System Architecture





Charger Management



Multi-site Management



Load Management



Dashboard



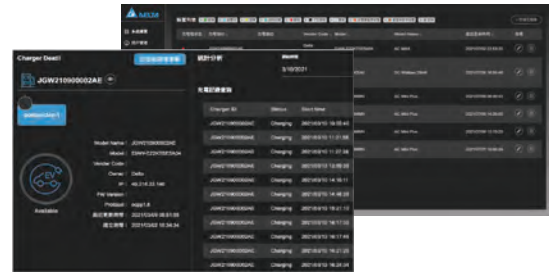
## DeltaGrid® EV Management System



### Charger Management

Real-time status monitoring to maximize chargers usage rate

- Charger list and status monitoring
- Remote start/stop and update
- Charging records and event logs
- Analysis report export



### Load Management

Prevent the risk of overload and exceed contract demand

- User grouping by feed lines, area, or floors
- Dynamic charging flow adjustment by user groups
- AI smart scheduling to spread charging peak demand



### Account Management

Simplify payment by diverse mechanisms

- Member registration and management
- Credit card, mobile pay and prepaid systems
- Notification for charging status and transaction deduction
- Set up RFID cards for start/stop charging



### Charging Tariff Setting

Flexible charging tariff plan by region/time/date/user group

- Tariff plan based on electricity cost of different regions
- Different rates for peak and off-peak hours
- Specific rates applied to specific days
- Divide general users or members with different rates



### Third-party System Integration

Integrate with 3rd-party systems to unify management

- Site management: parking lot, buildings, communities
- Enterprise access control: employees, visitors
- Business operation: marketing activities, membership services
- Open data platform





Account Management



Charging Tariff Setting



Energy Management



Third-party System Integration



Mobile APP



Plug into a Greener Future

## Energy Management

Ensure safety meanwhile optimize electricity usage

- Integrate renewable energy and energy storage
- Leverage green energy to charge EV
- Reserve the flexibility for future capacity expansion



## Multi-site Management

Single platform increase management efficiency

- Simplify hardware facilities by using cloud framework
- Flexibly adjust the number of monitoring sites according to actual demand
- Leverage Google Maps to overlook the information of multiple sites



## Dashboard

Understand key insights and view site status in one glance

- Compatible with any web browser without software or devices limitation
- Overview of device usage rates, electricity usage and cost analysis
- Toolbox with predefined tables and graphics for customization



## Mobile APP

Outstanding charging experience with intuitive UI

- Charger searching, reservations, and operation
- Real-time charging status query
- Credit card and mobile payment
- Usage record and transaction detail queries



# Versions and Functions List

|                    |  | Standard (On-Premise)  | Standard (Cloud)   | Professional (Cloud)  |
|--------------------|--|--|--|---|
|                    | Applicable Scenario                        | Single site<br>Basic management requirement<br>for chargers and facilities | Single site<br>Need an APP as EV drivers<br>operational user interface | Multi-site<br>Management of multiple charging stations<br>and large-scale charging networks |
| Basic Functions    | Dashboard                                  | ●  | ●  | ●   |
|                    | Account / RFID Management                  | ●  | ●  | ●   |
|                    | - Prepayment                               | ●  |  |   |
|                    | Charger Management                         | ●  | ●  | ●   |
|                    | - Grouping                                 | ●  | ●  | ●   |
|                    | - Current Limit                            | ●  | ●  | ●   |
|                    | - Time-of-Use (TOU)                        | ●  | ●  | ●   |
|                    | Charging Record                            | ●  | ●  | ●   |
| Statistic / Report | ●  | ●  | ●  |   |
| Data Analysis      | Notification                               | ● (Line / IM)  | ● (Email / App)  | ● (Email / App)   |
|                    | O&M Service                                |  | ●  | ●   |
|                    | - Work Order Integration                   |  | ●  | ●   |
|                    | - Predictive Maintenance                   |  |  | ○   |
|                    | Mobile APP                                 |  | ●  | ●   |
|                    | - Charger Setting                          |  | ●  | ●   |
|                    | - Reservation / Navigation                 |  | ●  | ●   |
| - Payments         |  | ●  | ●  |   |
| EMS Integration    | Metering                                   |  | ○  | ●   |
|                    | Load Management                            |  | ○  | ●   |
|                    | Scheduling                                 |  | ○  | ●   |
|                    | Multi-site Management                      |  |  | ●   |
|                    | Energy Management<br>(PV, ESS integration) |  |  | ○   |

● Provided ○ Optional

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