



EV Charging Solution

DeltaGrid® EV Management

- Smart charging with load and energy management
- Functional Integrity for charging service operation
- System interconnectivity and digital service



Household



Community



Commercial



Campus



Public



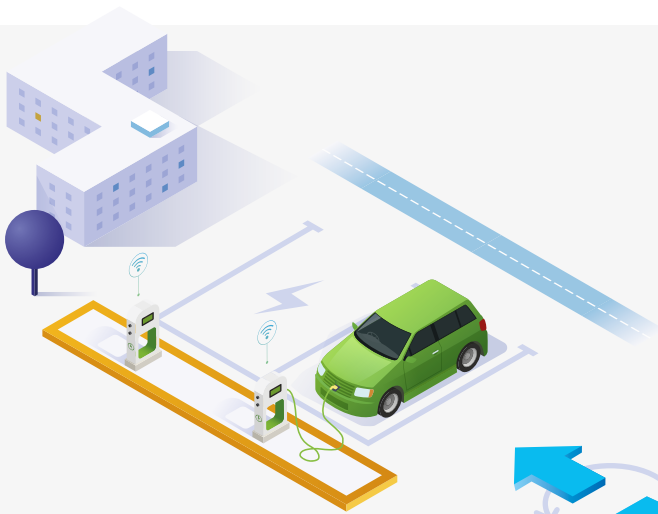
Factories



Forward-looking Smart Charging Solution Equipped with Advanced Energy Management

To help charging service providers balance electricity safety, reasonable costs and service accessibility when building an EV charging infrastructure, Delta includes EV chargers into the scope of load management and energy dispatching from the perspective of high-energy-consuming equipment. By chargers grouping, prioritizing, and scheduling to limit the

maximum current output and take good use on Time-of-Use electricity price, DeltaGrid EV Management can ensure a reliable charging services under existing power facilities. If we go further to integrate energy storage system and solar system, advantages of peak shaving, PV self-consumption, and off-peak electricity load shifting can be expected.



Smart Charging

- Max. power **current limitation** for different duration
- **Charger grouping** for different rates and charging priorities
- Customizable **tariff setting** based on TOU and date

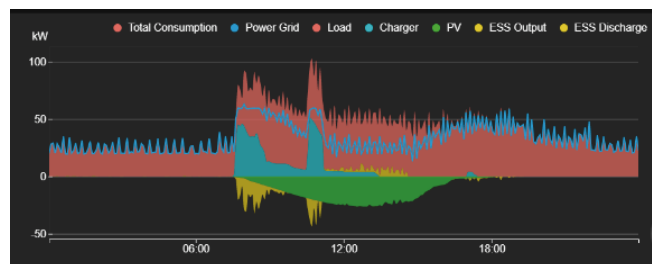
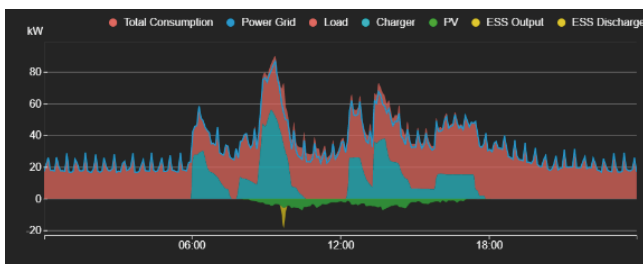
Energy Optimization

- **ESS and PV** integration to support EV charging during peak hours
- **Automatic control and AI scheduling** based on energy usage profile
- **Leverage off-peak** or night time capacity to prepare for peak demand in next day



Before

After



Feature Highlights

- ✔ Smooth out demand during peak hours
- ✔ Prevent overloads and power trips
- ✔ Ensure no contract demand penalties
- ✔ Make the best of existing power infrastructure



Smart Charging With Load and Energy Management

- Charger Management
- Load Management
- Energy Management

Functional Integrity for Charging Service Operation

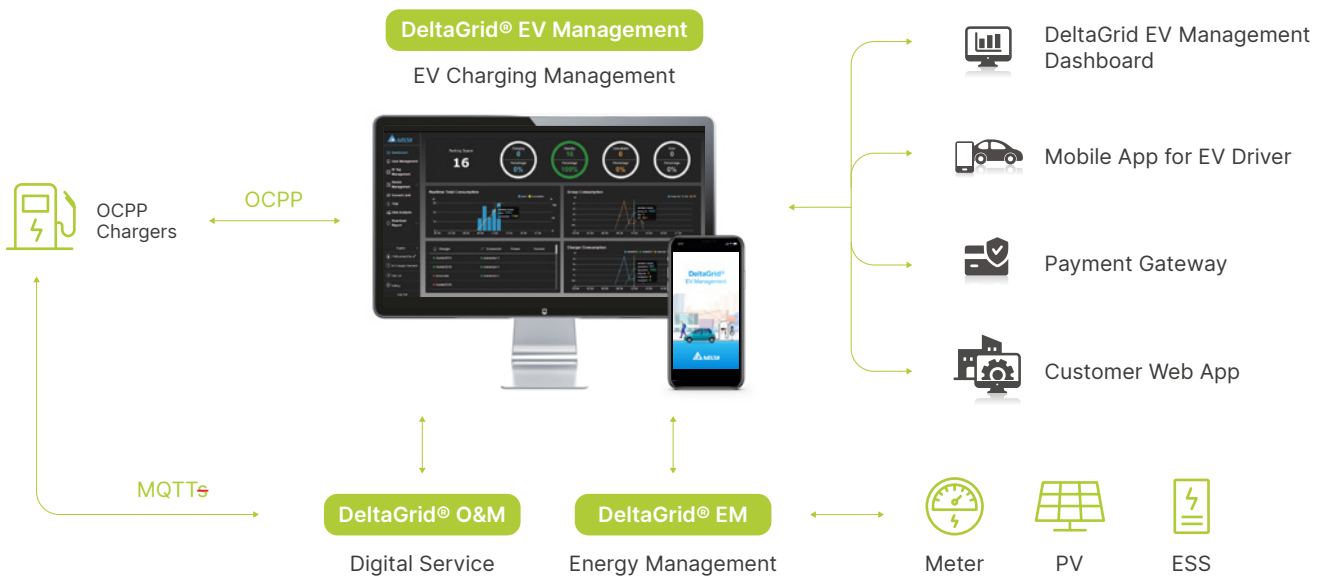
- 3rd Party Integration
- O&M

System Interconnectivity and Digital Service

- Account Management
- Charging Tariff Setting
- Multi-Site Management
- Dashboard
- User APP

System Interconnectivity

Open for third-party system integration via API and manage major OCPP chargers to enable an efficient charging service operation.



Version and Function List

		Standard (On-Premise)	Standard (Cloud)	Professional (Cloud)
	Applicable Scenario	Single site Basic management requirement for chargers and facilities	Single site Need an APP as EV drivers operational user interface	Multi-site Management of multiple charging stations 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 (PV, ESS integration)			○

● Provided ○ Optional



Delta Electronics

186, Ruey Kuang Road, Neihu, Taipei, 11491, Taiwan

TEL: +886-2-8797-3250 #3216

SRV-SGC@deltaww.com

More information

www.deltaww.com



2022/04