

A photograph of a white sailboat's hull and rigging on a blue sea under a bright sky. A large blue diagonal shape overlays the right side of the image, containing white text.

# Fast EV Charging Station Introduction

Product by Innovation

# Contents



## Company Background

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## Product Introduction

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## Case Study

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## Discussion

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# Key factors

## Company overview

Started 2007 as pioneer in renewable energy market in China, our company focus on EV charging module, fast charging EV charging stations, High-Voltage DC power supply for IDC and Energy storage systems.

**Award winning leading technology innovator in high performance EV Charging module.**

**Top 2 - number of EV charging modules delivered in China, 160K units delivered in 2020.**

**Operating SaaS (software) platform serving 250+ operators and 500+ stations across China.**



Revenue

**500**  
million RMB



Employees

**450**



Patents

**50**  
More than

Number of EV charger connected

**15,000**

Daily consumption ( kwh)

**800,000**

Number of service provider on SaaS

**250**

Number of charging site connected

**500+**

Number of app end-user

**260,000**

# Our Business



## Charging Module

- AC/DC Power conversion efficiency 96.3% No.1
- Operation in -40°C harsh environment No.1
- 50Kw Single module power No.1
- China market share No.2
- 2- Level Centralized Energy Storage Inverter
- In-house R&D with own IPR



## Energy Storage System

- 3- Level Modular Energy Storage Inverter, 1<sup>st</sup> in China
- Virtual Synchronous Motor Control



## EV Charging Station

- Highest specification with 16 key parameters greater than standard
- AC/DC Power conversion efficiency 96%, highest in industry
- High reliability and flexibility
- In-house R&D with own IPR
- Europe, Japan, US standard compliant
- 1<sup>st</sup> 3-in-1 Solar-Storage-Charging in China



## HVDC Power Supply

- IDC Power Support
- High-efficiency
- Reliable modular design

# Contents



Company Background

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**Product Introduction**

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Case Study

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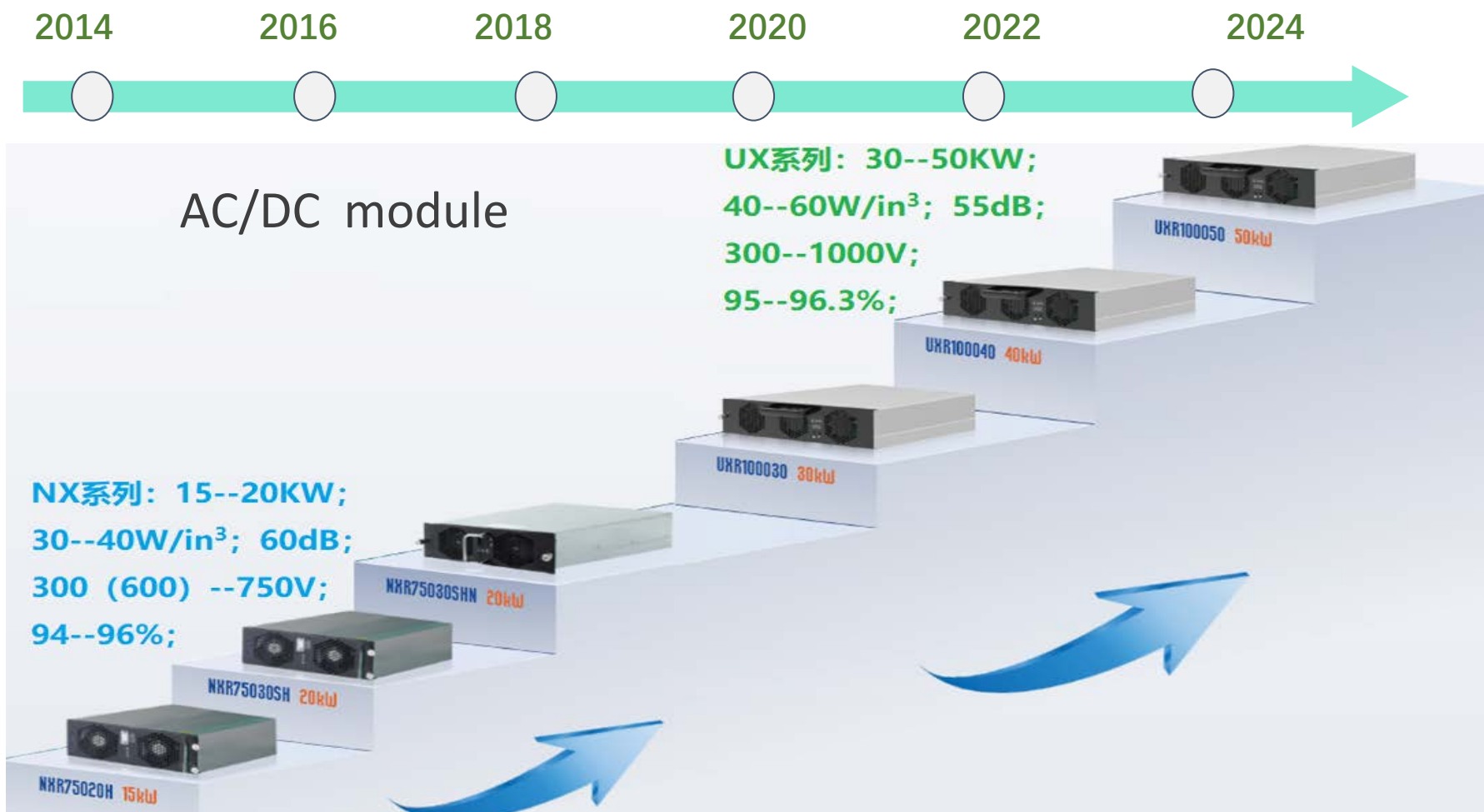


Discussion

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# Product – Power Module



# Product - DC EV Charging Station



Standard model(GB China)



State Grid Model(GB China)



CCS2+CHAdEMO (Europe, Japan)



High configuration model(GB/CCS1 – US)



# Product UX series Latest Product Line

## ■ Features - Time and power saving, to put you at ease

### High Performance

Fast charging (200kW-400kW+)

### Power Efficiency

High conversion efficiency and low standby power consumption

### Safety

Dual protection to protect both human operation and vehicle

### Environment Friendly

Noise <65 dB



#### Most reliable

High reliability and low failure rate with low operation and maintenance costs. Always available, easy to use and profitable.



#### Highly efficient

Efficient and power saving. Low levels of heat consumption, heat loss, overall power consumption, and operating costs.



#### Highly secure

Dual protection and active protection features ensure constant power output at different voltage and operating temperatures. Safe, with no fire or electric shock risks. Secure network and supply.



#### Environment friendly

Quiet and easy to use. Environmentally friendly



#### Quick charging

Constant power output at different voltage and temperatures. Quick charging capability in all scenarios. Allocates power on demand.



#### Intelligent

Intelligent connect multiple operating devices with information-based remote operation management.



# Product - UX series Latest Product Line

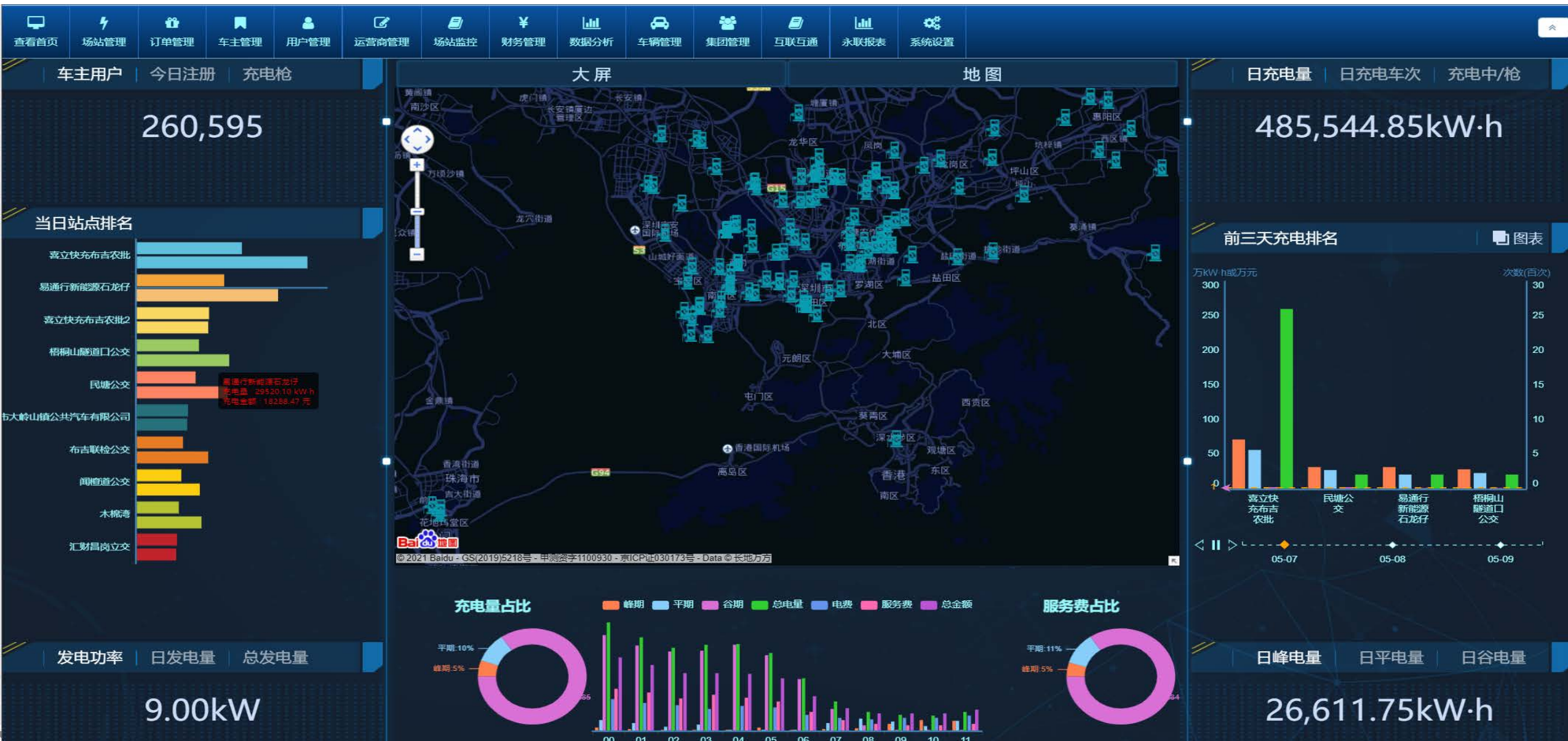
**Stand-alone  
Charging Station**



**Detached Multiple  
Charging Station**



# SaaS Operation Platform





# SaaS Operation Platform

查看首页

电站管理

订单管理

车主管理

用户管理

运营商管理

电站监控

财务管理

数据分析

车辆管理

集团管理

互联互通

永联报表

系统设置

日营业额  
7799.49  
(元)

日充电电量  
7778.13  
(kW·h)

日充电电费  
2933.08  
(元)

日服务费  
4866.41  
(元)

日充电次数  
345  
(次)

月营业额  
215099.13  
(元)

月充电电量  
192306.61  
(kW·h)

月充电电费  
113523.80  
(元)

月服务费  
101575.33  
(元)

月充电次数  
10345  
(次)

电站概况:

总数: 62

空闲: 3

已插枪: 3

启动中: 0

充电中: 43

已结束: 1

故障: 0

离线: 12

预约中: 0

上一页 1/3 下一页

充电中

3611857066600101

电压: 360.1 V  
电流: 103.6 A  
功率: 37.3 kW  
温度: 50 °C  
占桩: 0分钟

70%

快充

充电中

3611857066600102

电压: 357.4 V  
电流: 86.7 A  
功率: 30.9 kW  
温度: 47 °C  
占桩: 0分钟

78%

快充

充电中

3611857066600201

电压: 394.2 V  
电流: 46.6 A  
功率: 18.3 kW  
温度: 54 °C  
占桩: 0分钟

87%

快充

充电中

3611857066600202

电压: 372 V  
电流: 15.4 A  
功率: 5.7 kW  
温度: 47 °C  
占桩: 0分钟

88%

快充

充电中

3611857066600301

电压: 383.3 V  
电流: 40 A  
功率: 15.3 kW  
温度: 50 °C  
占桩: 0分钟

78%

快充

充电中

3611857066600302

电压: 394.8 V  
电流: 68.5 A  
功率: 27 kW  
温度: 55 °C  
占桩: 0分钟

94%

快充

充电中

3611857066600401

电压: 363.7 V  
电流: 149.5 A  
功率: 54.3 kW  
温度: 49 °C  
占桩: 0分钟

67%

快充

充电中

3611857066600402

电压: 402.9 V  
电流: 46.6 A  
功率: 18.7 kW  
温度: 49 °C  
占桩: 0分钟

96%

快充

充电中

3611857066600501

电压: 360.7 V  
电流: 14.3 A  
功率: 5.1 kW  
温度: 50 °C  
占桩: 0分钟

29%

快充

充电中

3611857066600502

电压: 358 V  
电流: 101.4 A  
功率: 36.3 kW  
温度: 48 °C  
占桩: 0分钟

66%

快充

空闲

3611857066600601

电压: 0 V  
电流: 0 A  
功率: 0 kW  
温度: 0 °C  
占桩: 0分钟

快充

充电中

3611857066600602

电压: 380.4 V  
电流: 90.3 A  
功率: 34.3 kW  
温度: 50 °C  
占桩: 0分钟

85%

快充

充电中

3611857066600701

电压: 376.2 V  
电流: 45.8 A  
功率: 17.2 kW  
温度: 45 °C  
占桩: 0分钟

93%

快充

空闲

3611857066600702

电压: 0 V  
电流: 0 A  
功率: 0 kW  
温度: 0 °C  
占桩: 0分钟

快充

充电中

3611857066600801

电压: 391.9 V  
电流: 119.6 A  
功率: 46.8 kW  
温度: 55 °C  
占桩: 0分钟

80%

快充

充电中

3611857066600802

电压: 427.7 V  
电流: 27 A  
功率: 11.5 kW  
温度: 51 °C  
占桩: 0分钟

86%

快充

充电中

3611857066600901

电压: 363.2 V  
电流: 89 A  
功率: 32.3 kW  
温度: 48 °C  
占桩: 0分钟

46%

快充

充电中

3611857066600902

电压: 388.1 V  
电流: 132.7 A  
功率: 51.5 kW  
温度: 49 °C  
占桩: 0分钟

79%

快充

充电中

3611857066601001

电压: 377.1 V  
电流: 50.5 A  
功率: 19 kW  
温度: 46 °C  
占桩: 0分钟

95%

快充

充电中

3611857066601002

电压: 357.1 V  
电流: 110.6 A  
功率: 39.4 kW  
温度: 48 °C  
占桩: 0分钟

64%

快充

充电中

3611857066601101

电压: 443.8 V  
电流: 36 A  
功率: 15.9 kW  
温度: 50 °C  
占桩: 0分钟

97%

快充

充电中

3611857066601102

电压: 338.6 V  
电流: 123.5 A  
功率: 41.8 kW  
温度: 46 °C  
占桩: 0分钟

38%

快充

充电中

3611857066601201

电压: 363.7 V  
电流: 92 A  
功率: 33.4 kW  
温度: 45 °C  
占桩: 0分钟

50%

快充

充电中

3611857066601202

电压: 403.2 V  
电流: 47.2 A  
功率: 19 kW  
温度: 63 °C  
占桩: 0分钟

82%

快充

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Sales Strategy

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**Case Study**

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Discussion & Pop Quiz

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# Case Study - China

## ■ Background

Partner with Shenzhen Bus group, a tier-1 municipal bus groups to adopt integrated photovoltaic, energy storage and charging technology solutions in the past years. Built a strong urban public transport system and EV charging network with big data operation platform. The project has won a number of awards in EV charging stations and technology innovation in China.

## ■ Project Scale

- ✓ 40+ Bus stops ( charging stations)
- ✓ 2,500 public buses and 1,500 public taxis in Shenzhen city
- ✓ 14m kWh consumption monthly
- ✓ 7x24h operation support with SaaS platform

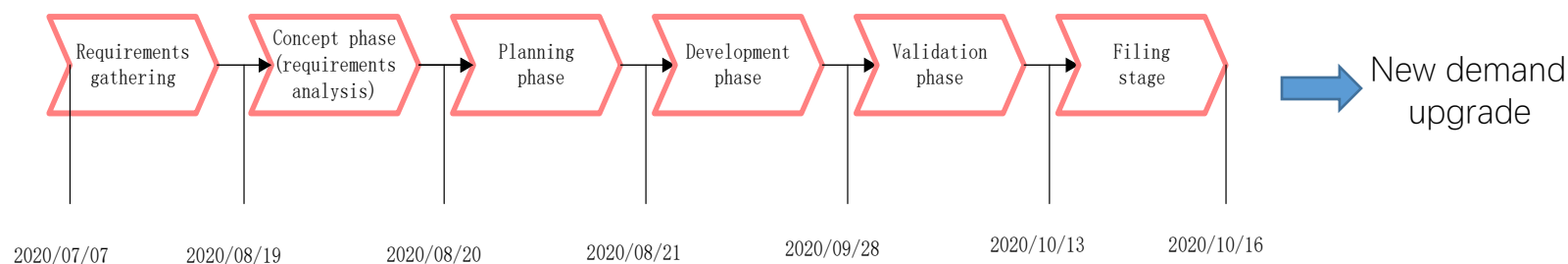


# Case Study - UK

## ■ Background

Partner with a local operator, we designed and delivered the integrated EU-Japan standard DC charging station products to UK within 5 months.

## ■ Project Timeline



## ■ Project Scale

- ✓ Phase I : 400+ units
- ✓ Customization done for:
  - ✓ Display screen; Functionality of the operating interface
  - ✓ Credit Card payment acceptance
  - ✓ Optimized structural design
  - ✓ Optimize control and communication software architecture



120kW(CCS2+CHAdemo)



# Case Study - Volkswagen

## Battery Energy Storage Mobile EV Charging Station

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### Volkswagen Group forms joint venture to build fast charging stations for Chinese market

Posted April 20, 2020 by [Charles Morris](#) & filed under [Newswire](#), [The Infrastructure](#).



Volkswagen Group Components and startup Shanghai DU-POWER New Energy have formed a joint venture to produce “flexible quick charging stations” in China. The two companies will each own 50% of the JV, which will be located in the Suzhou Wuzhong Development Zone, near Shanghai.

# Partners



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Sales Strategy

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Case Study

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**Discussion**

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A modern two-story house with solar panels on the roof and a red car parked in the driveway. A large blue diagonal graphic is overlaid on the right side of the image.

# Thank You

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