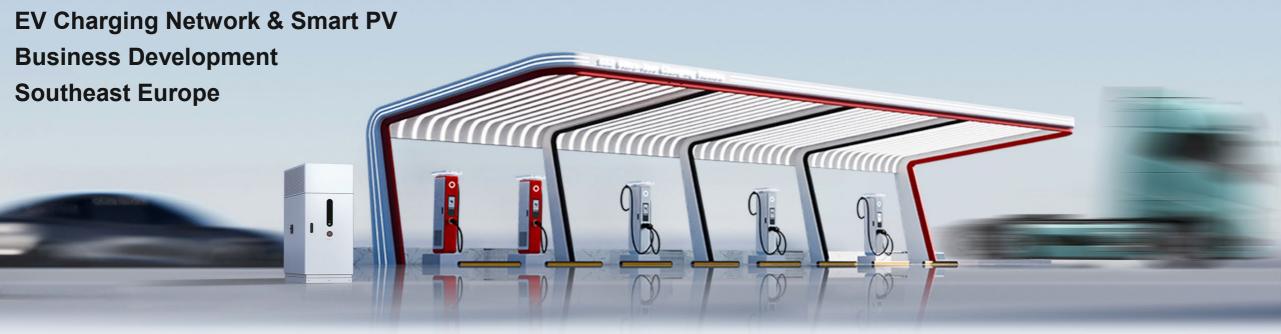


Ultra-Fast Charging for a Zero-Carbon Transport Future

Spyros Kalos



Huawei: Leading provider of ICT infrastructure and smart devices



Vision and mission

Bring digital to every person, home and organization for a fully connected, intelligent world



208,000

employees



54%

of employees work in R&D



170+

countries and regions

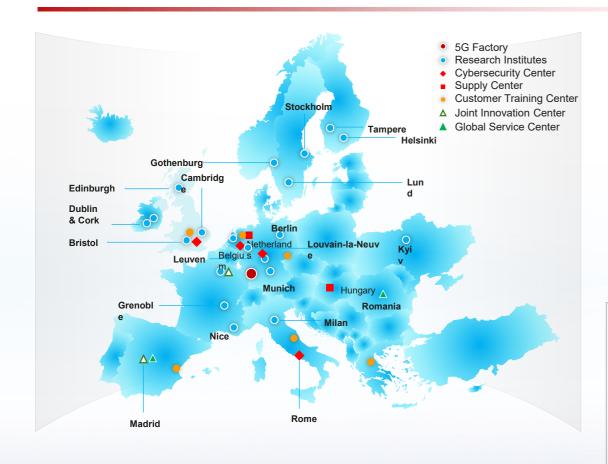


3 bn+

people served



In Europe, For Europe



13,000+

Employees in Europe

3,400+

Researchers in 27 R&D Partnership agreements with centers in 13 countries universities and institutes

230+ 10,000+

Patents at the European Patents Office (EPO)

(production workshop, automated warehouse, office area, canteen, exhibition hall, parking lot, etc.)

Investment: €200M

Area: 80,000 m²

• Capacity: oriented to Europe

Operation starts in 2026 Q1



Inverter production plant in Koppelberg, Hungary, which will be over 30,000m2.



Supply Centers

Source: The economic contribution of Huawei in Europe in the year 2021



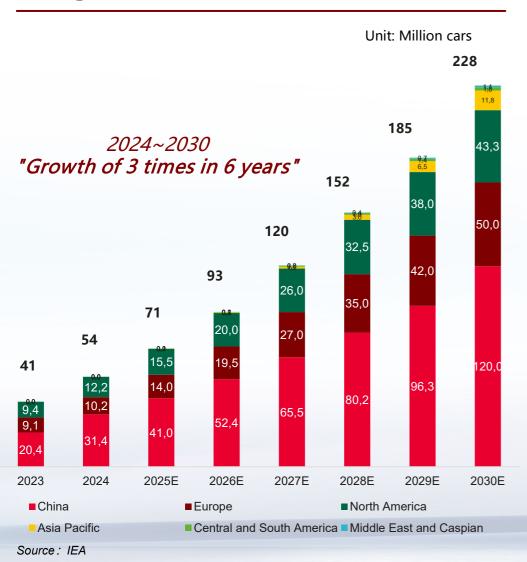


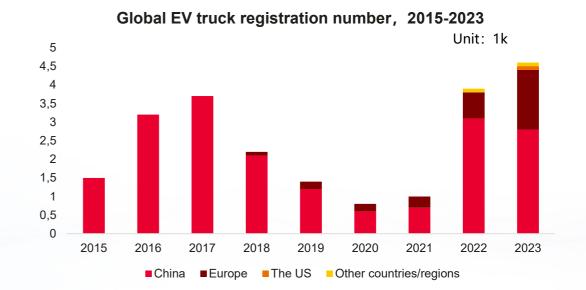
Trends and Challenges

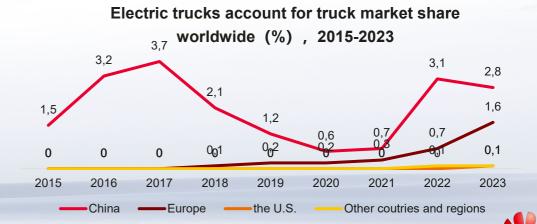


New electric vehicles and EV Trucks

NEV@2030: 228Million, CN52%, EU22%

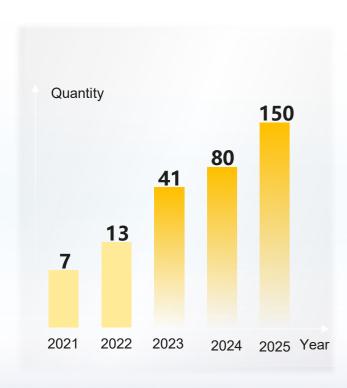






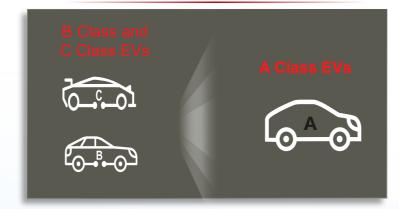
Types of Evs and number of charging connector is booming

OEMs Accelerate Launching the Ultra-fast Charging EVs

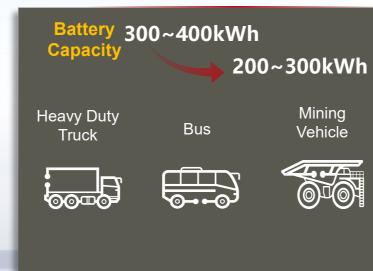


60+ Models with 800V High-Voltage Ultra-Fast Charging Platform in Guangzhou Car Show

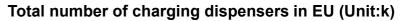
High-Voltage System Extends to Compact EVs Due to Cost Reduction

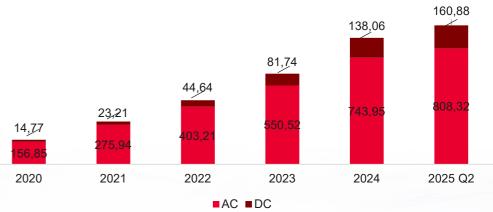


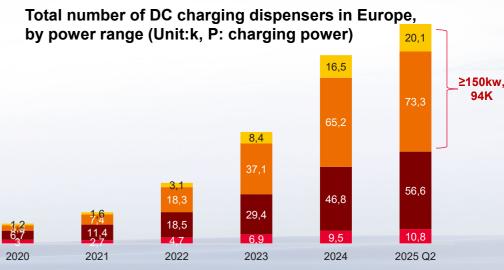
High-Voltage System Extends to Commercial EVs, Reducing Battery Cost



≥150kW charging dispensers towards 100K







■ 150kW ≤ P < 350kW

Source: European Commission

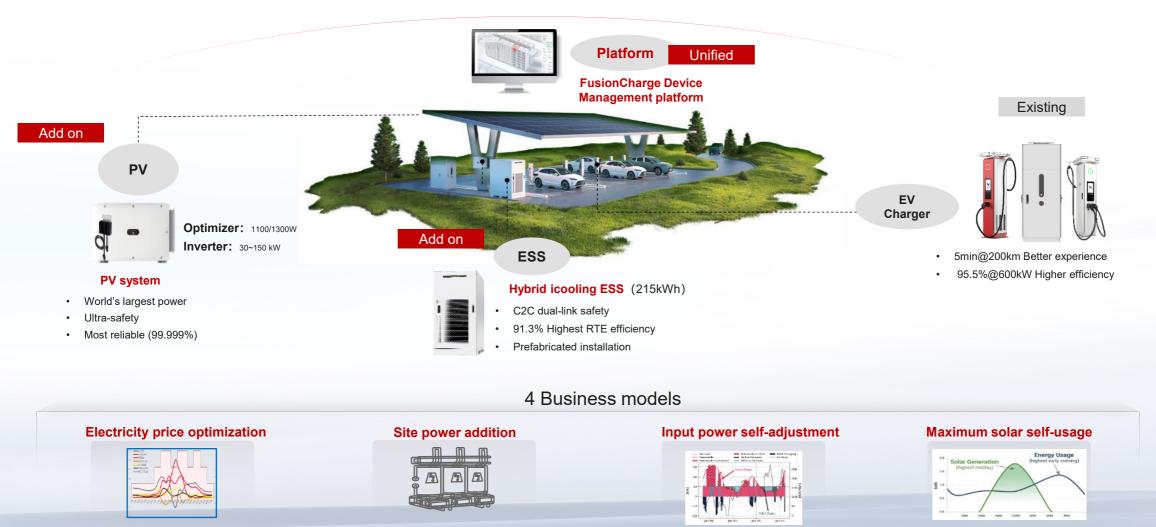


P ≥ 350kW



Business Compatibility: support PV, ESS and Unified operation & management platform

End to end solution managed by one cloud platform: ultra safety, better revenue, high quality



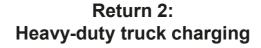


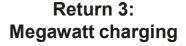
Unified platform architecture, One Investment for different scenarios and EV models

One investment



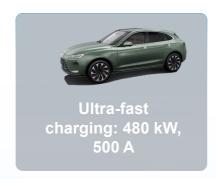
Return 1: Passenger EV charging







DS720-720LEUA4: 600kW+720kW DS720-720LEUA4: 240kW+360kW









Megawatt ultra-fast charging: 1.5 MW, 2000 A



Applicable to multiple scenarios

Scenario 1: Enroute



Highway service area



City Public

Scenario Features: On the go, charging time 10-30min, typical scenarios of ultra-fast charging

Scenario 2: Fleet



Logistics Park





Mining area



Port

Scenario Features: Dedicated vehicle model, Charging time 1~2 hours

Scenario 3: Destination



Shopping Mall



Residential area



Campus

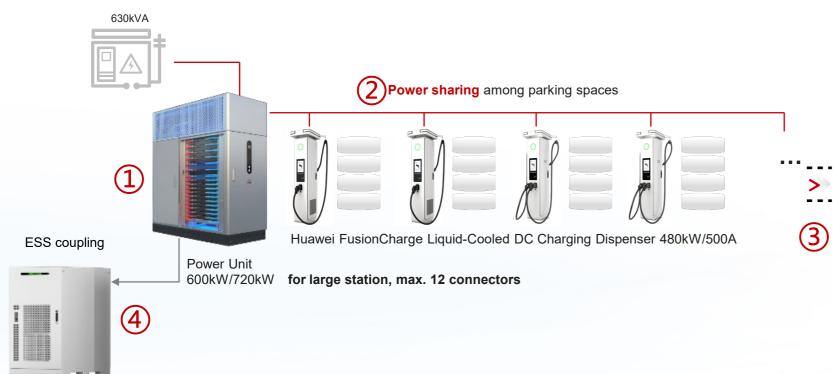


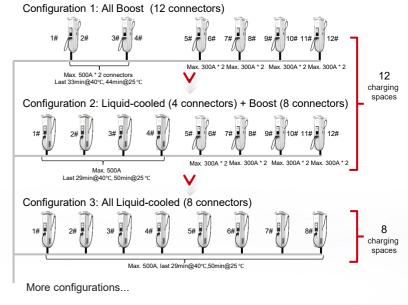
Leisure park

Scenario Features: Charging time 2-4 hours



Future-Proof EV Charger Solution for High Grid Capacity Site





1 Superior quality

Die-casted power modules, ceramic contactors IP55 liquid-proof level Annual failure rate < 0.2%(module) Noise<50 dB@25°C, 1m

Great reliability

Two-tier power

(2)

pooling

AC/DC+DC/DC module Architecture, Saving cost on transformer reconstruction (around €700K/630KVA@EU)

Higher Grid utilization

Smooth Evolution

- Support charging up to 12 cars
 Support max 8x500A ultra-fast charging
- Support PV/ESS/PV+ESS integration
 Protecting
 Investment







Extreme Cold: -35°C, Yakeshi

Fully enclosed liquid cooling circulation

Core components isolated from the outside

Outstanding thermal insulation, effective temperature control

Reliable Stable

Long-term stable running in extremely cold conditions



On April 22, Huawei launched a new megawatt charging solution for heavy-duty truck in China



SOC 10%-90% 350+kWh battery



15 min

Continuous current



2400 A



Digital Power: Your Best Partner for a Better, Greener Future

By the end of March 2025, Huawei Digital Power has helped customers

generate green power

reduce carbon emissions

equivalent to planting

1,608.1 billion kWh

96.2 billion kWh

save power

810 million tons

1.1 billion trees



Source: IEA Global Energy & CO2 Status Report 2018

Note 2: Lifetime CO₂ absorption of trees (equivalent number of planted trees) – A tree absorbs 18.3 kg of CO₂ a year, and each tree has a 40-year lifespan Source: Open data of the North Carolina State University website

Thank you.

把数字世界带入每个人、每个家庭、每个组织,构建万物互联的智能世界。

Bring digital to every person, home, and organization for a fully connected, intelligent World.

Copyright©2018 HuaWei Technologies Co., Ltd. All Rights Reserved.

The information in this document may contain predictive statements including, Without limitation, statements regarding the future financial and operating results, future product portfolio, neW technology, etc. There are a number of factors that could cause actual results and developments to differ materially from those expressed or implied in the predictive statements. Therefore, such information is provided for reference purpose only and constitutes neither an offer nor an acceptance. HuaWei may change the information at any time Without notice.

