Mobile Chargers

THE ~~FUTURE~~ OF ELECTRIC VEHICLE CHARGING

PRESENT

NANOMATE by Phi4tech

Charging Infrastructure Challenges

Regulatory Pressure

Strict mandates require rapid deployment of EV charging points across public and private spaces, creating **urgency and compliance challenges** for operators.

Overloaded Infrastructure

We are demanding more and higher-power charging points from an already saturated electrical grid. **Power availability is not guaranteed**.

Administrative Permitting

The development timeline to deploy a traditional charging point ranges from **24 to 46 months**. Around **85% of this time depends on third parties** (power distributor, public administration).

Low Utilization Rates

Charging point **utilization stays well below profitability**, typically 2–5%, making **investments hard to justify** and slowing infrastructure growth.

Lack of Flexible Solutions

Traditional charging infrastructure is tied to fixed locations, making it **hard to scale** up or down based on demand **or adapt to seasonal or temporary needs**.

Mobile Charging, Charging Infrastructure as a Service

184 kWh

60 kW

BATTERY-BASED
Uses integrated battery storage, enabling off-grid and efficient energy use.

FAST CHARGING
Delivers fast charging; ultra-fast option coming soon.

MOBILE
Easily transportable and deployable wherever charging is needed.

EASY INSTALLATION
No civil works or permits required — plug & play setup.

PEAK SHAVING
Charge during off-peak hours to reduce grid stress and costs.

DIGITAL BY DESIGN
Best-in-class UX and real-time monitoring for seamless operation and user experience.

Where Mobile Charging Makes the Difference

01

No Grid Access

Ideal for locations with no available power infrastructure.

02

Fluctuating Demand

Deploy in areas with changing usage patterns due to season or location.

03

Temporary Events

Perfect for concerts, fairs, or pop-up venues needing temporary charging.

04

Demand Testing

Analyze real charging demand before investing in fixed infrastructure.

05

Compliance Support

Avoid fines or delays by meeting regulatory charging requirements quickly.

06

V2B Capability

Store energy from EVs into the charger to optimize fleet energy use and flexibility.

Highway Service Zone

Industrial Area

Residential Area

Airport

Exhibition

Factory Use

Under the Hood

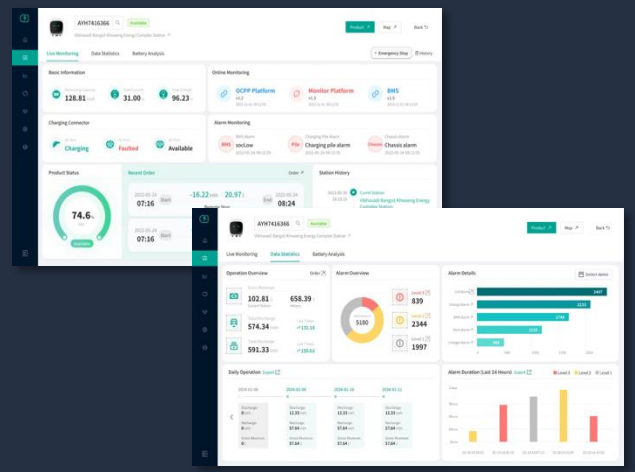
ITEM		PARAMETER
Dimension (L*W*H)		2100*1054*1400 mm
Weight		2100 kg
Battery Capacity		184,32 kWh
Battery Technology		LiFePO4, 314 Ah
AC Input	Voltage Range	260 - 530 VAC
	Max. Current	43 A
	Power Range	AC 22 - 35 kW
	Connection Method	3P+N+PE
DC Input	Voltage Range	260 - 900 VDC
	Max. Current	150 A
	Max. Power	DC 60kW
DC Output	Voltage Range	300~1000 VDC
	Max. Current	150 A
	Max. Power	DC 60 kW
	Efficiency	92 %
Charging Connector		CCS2/CCS1/GBT
Maximum Speed		5 km/h
Maximum Gradient		8%
Max Obstacle-Crossing Height		70 mm deceleration belt
Level of protection		IP54 (IP67 Battery Pack)
Ambient Temperature		-30~50 °C

184 kWh / **60** kW

Beyond the Charger: A Scalable Solution

Full Operational Awareness

Our monitoring platform provides **real-time visibility** over charging and storage performance, with access to key operating parameters and **system health**. An integrated **alert system** ensures any incident is detected and reported immediately, enabling rapid response and operational reliability.



Seamless System Integration

Our charger supports OCPP protocol, enabling **seamless integration** with the client's existing **charging point operation platforms.** It also features communication via **SIM card and WiFi**, ensuring flexible and reliable connectivity in any deployment scenario.

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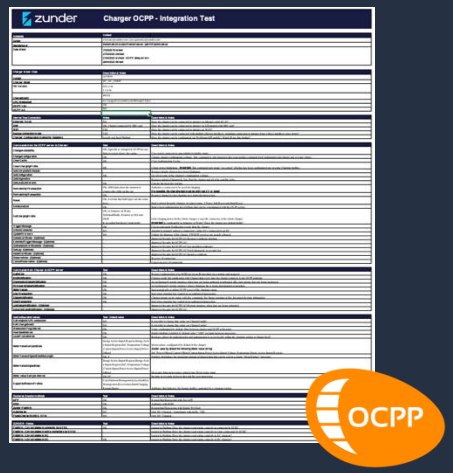

Frictionless Charging Experience

Designed for a user-centric world, our system integrates multiple digital payment options, enabling **flexible access to the service** and delivering a **personalized charging experience**.

Beyond the Charger: A Scalable Solution

Direct Purchase

DESCRIPTION
One-time payment to fully acquire the charger.

FINAL OWNERSHIP
Customer

BENEFITS
Full ownership and freedom to use and amortize the asset.

Lease with Purchase Option

DESCRIPTION
Monthly payments deducted from final price if purchased.

FINAL OWNERSHIP
Customer (if purchased)

BENEFITS
Flexibility to test before buying; full credit of paid amounts.

Lease w/o Purchase Option

DESCRIPTION
Temporary use of the unit with no purchase commitment.

FINAL OWNERSHIP
Nanomate

BENEFITS
Ideal for pilot projects or short-term deployments.

Operating Lease (Renting)

DESCRIPTION
Monthly financing with optional buyout at contract end.

FINAL OWNERSHIP
Customer (if purchased)

BENEFITS
Low initial investment, flexibility at contract's end.

Thank you

www.nanomate.es

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