

Promoting multimodal mobility

Urban transportation habits are changing and the electric vehicle (EV) is emerging as a top choice for city-dwellers who drive less than 100 miles per day. Whether you are a business leader, local government representative, vehicle fleet manager or petrol station owner, you can count on Schneider Electric to offer the right solutions for today's changing transportation landscape.

In tomorrow's mobility ecosystem, the electric vehicle will be used in conjunction with environment-friendly public transportation like cycling, buses, trams and trains.

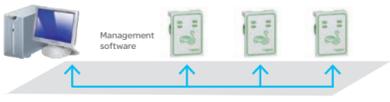
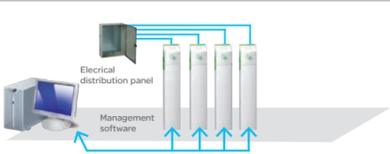
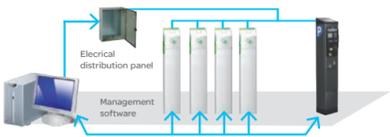
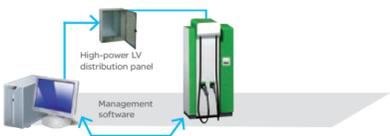
Schneider Electric, a global specialist in energy management, will play a major role in promoting the electric vehicle. This includes putting Schneider Electric's extensive energy management expertise to work for the development of charging solutions that are easy to use, safe, convenient and energy efficient.



Schneider Electric is a founding member of the Electric Vehicle Plug Alliance, an industry association whose mission is to develop a certificate of compliance with the future IEC Type 3 plug and socket standard. The goal is for all electric vehicle charging equipment to meet safety standards for residential and commercial use while optimising cost.

Charging architectures

Charging can have one or several charging points. The ideal architecture provides all of the desired features at optimal cost.

	Architecture	Power	Charging access
	Stand-alone	Individual	Open-access
Recommended for:			
• Residential use			
• Commercial applications like business, hotel and shopping centre car parks			
	Stand-alone	Individual	Open-access
Recommended for:			
• Commercial applications like business, hotel and shopping centre car parks			
	Multi-point	Collective	Open-access
Recommended for:			
• Commercial applications like vehicle fleet, business, hotel and shopping centre car parks			
	Multi-point	Collective	Restricted-access
Recommended for:			
• Roadside charging application			
• Commercial parking garages			
• Commercial applications like vehicle fleet, business, hotel and shopping centre car parks			
	Multi-point	Collective	Restricted-access or pay-per-use
Recommended for:			
• Roadside charging application			
	Stand-alone	Collective	Restricted-access or pay-per-use
Recommended for:			
• Fast charging systems			

To learn more

> Contact your Schneider Electric representative

> Visit www.schneider-electric.co.uk/electric-vehicle

Make the most of your energySM

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As standards, specifications and designs change from time to time, please ask for confirmation of the information given in this publication

SE7198 JAN 2011

The charging infrastructure

The key success factor for the electric vehicle



Schneider
Electric

Facilitating access to energy

Electric vehicles are more economical and environmentally friendly than traditional cars using fossil fuels, making them an ideal real-world response to the challenge of reducing the environmental impacts of transportation.

With no particle emissions and extremely quiet operation, electric vehicles offer a promising alternative for tomorrow's transportation sector which will significantly reduce our total energy consumption and CO₂ emissions.

However, a number of key success factors will condition the future of the electric vehicle and the recharging infrastructure is at the top of the list. Users must have optimal access to energy anytime and anywhere.

A safe and efficient solution from Schneider Electric:

- Accelerated, standard or reduced charging times
- Multiple charging points at home, work, garages, shopping centres, at the roadside, etc
- Absolute safety for users and their vehicles
- Optimised charging when energy costs are low or when energy from renewable sources is available—for lower costs and environmental impacts



Home charging

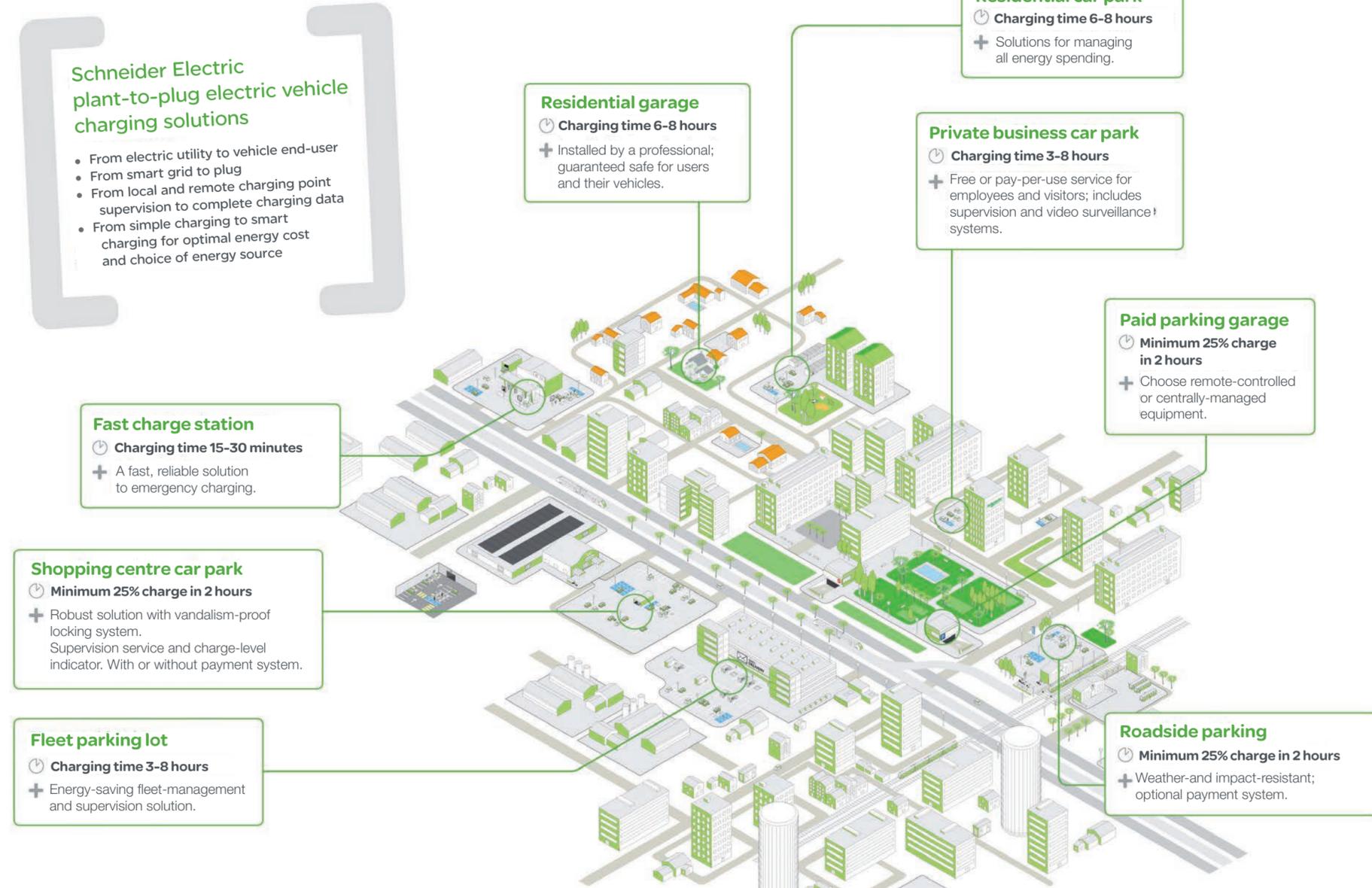


Garage or roadside charging application



Fast charging system

Real solutions to keep you on the road anytime, anywhere



4 good reasons to choose Schneider Electric solutions

Safe

Schneider Electric charging systems ensure user safety thanks to smarter control that will allow charging to begin only when the vehicle is safely plugged in. Our offer is also compliant with the IEC 61851-1 standard and is equipped with shutters that cover the power contacts when not in use, guaranteeing a high level of safety for both domestic and commercial use.

Smart

As the UK smart grid develops, Schneider Electric charging systems will offer built-in smart energy management. Features like optimised charge power will be determined by vehicle needs and available power on the grid. Because charging systems communicate with both the vehicle being charged and the grid, users can stay informed about system availability and charge progress via a PC or mobile phone. The system can even send a message to tell users when their vehicles are ready.

Standard

Schneider Electric is a driving force behind the creation of a European standard to enable users to charge their electric vehicles with the same level of access and safety across Europe.

Simple

Schneider Electric charging systems are easy to use. They offer a simple, intuitive interface for users and are designed to facilitate operation and maintenance.