



TOTALLY INTEGRATED POWER

Checklist for pre-planning a charging infrastructure

Summary of influencing factors and project particularities

Project profile

New construction

Integration in an existing installation

Project location:

Date of implementation:

User of the charging infrastructure: e.g. employees, hotel guests, park-and-ride users, shopping customers, long-term parkers, charge-and-drive users, etc.:

Assets such as open parking garages, underground garages, electric service stations, parking areas, etc.:

Number of floors with charging points:

Number of charging points per floor:
(multiple entries possible)

Dimensions of the parking level with charging points L x W:
(multiple entries possible)

m

Average floor height:

m

Expandability (e.g. number of future charging points):

Billing methods of charging energy provision:
cost lump sum, exact billing of kWh, or free of charge: (multiple entries possible)

Use of load management system

Other specifications:

Product selection

Selection and planned number of necessary charging points, the prospective available charging time (for an overview of typical charging times for different applications, see table 1) and if known, the information on the battery capacities:

	AC-charging Wallbox	DC-charging fast charging station	DC-charging for fleets
Quantity of charging points			
Charging time			
If known, the battery capacity in kWh			

Table 1: Typical charging times for different applications

Locations for charging infrastructure	Company parking lots on their own property for employees	Car stops, highway rest area, business park	Parking garages, customer parking of shopping centers	Bus depot
Prospective available charging time	6 - 8 h	20 min - 3 h	2 - 4 h	6 - 8 h

Demand characteristic

In many cases, it is only possible to charge an amount of energy which corresponds, on average, to a shorter driving distance than that of a full charge. Please make a selection for the requested charging amounts (= driving distances) – e.g. 60% for distances ≤ 40 km and 40% for distances ≤ 80 km

≤ 40 km:

≤ 80 km:

≤ 120 km:

≤ 160 km:

Electric vehicles should be charged to a maximum as far as possible

Other specifications:

Network connection

Medium-voltage connection

Low-voltage connection

Power demand announced:

kW

Expansion of grid connection required

Available power for the charging infrastructure,
if given:

kW

Other specifications:

Requirements on power supply

No redundancy

Partial redundancy

Full redundancy

Use of self-generation planned, e.g. PV

Use of battery storage planned, e.g. for avoidance
of peak loads

Other specifications:



By filling in the list, you have gained an overview of the project. Do you require more detailed information, e.g. about concept development or budget estimation?

Contact your responsible TIP partner using the data of your checklist:
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