





Cost estimation and impact of payment terminal integration or retrofitting on AC/DC chargers

Station type	Size	Usual Location(s)	Production cost of a station*	Monthly revenue from payment transactions*	Approximate payment terminal cost*	Impact of payment terminal integration in chargers
"DC charging stations" (using Direct Current) = "fast" chargers (over 50 KW)	 Large	Along highway corridors	€20,000-€80,000	€500-3,000	€2,200 if retrofitting €1,200 if integrated with a new charger	<ul style="list-style-type: none"> A limited cost increase on new DC infrastructure investments and operating costs, hence a relatively minor increase in charging session price for the EV driver. However, on top of the payment terminal cost, we must add the cost of a specific housing kit, configuration, and tests before opening to the public, and in case of retrofitting also travel and installation costs. This adds up to approx. €2,200 retrofit cost, split as follows: <ul style="list-style-type: none"> €1,500-1,750 for upgrade kit (payment terminal, wire harness, mechanical kit, firmware license; higher price for Tmod kit); €700 for labor and travel.
"AC charging stations" (using Alternating Current) = "slow" chargers (under 50KW)	 Compact	Workplace, retail, hospitality, commercial parking	€500-900	€80-300	No practical solutions today to retrofit existing stations in the field, so difficult to estimate a cost €300-500 if integrated with a new charger €3,000-5,000 if adding a payment kiosk to a cluster of AC charging stations	<ul style="list-style-type: none"> A large increase in AC infrastructure investments and operating costs as it's difficult to fit payment terminals in new or existing products due to the size and design of an AC station. This would likely lead to the removal of functioning stations and/or a significant increase in charging session price for the EV driver. On top of the cost for a payment terminal cost must be added a cost for a pole for an AC charger, configuration, and testing before opening to the public and in the case of retrofitting also travel and installation costs, i.e. approximately €675-1,350 retrofit cost split: <ul style="list-style-type: none"> €150-300 for payment terminal and pole €100-300 for installation and groundwork €50-100 for commissioning and testing €75-150 for labor and travel [Low-end costs scenario applies to cases where multiple stations can be upgraded on the same site]

* The production costs, monthly revenue, and payment terminal cost mentioned in this table are provided for informational and illustrative purposes only. These figures are not intended to represent actual costs or revenues for any specific situation or business, and should not be relied upon for making any financial or business decisions.