

# Connection fee rates

Caruna Oy

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# Connection fee rates

The fee for connecting the site to the distribution network is determined according to the applicable rates. The connection fee for a new electricity connection covers the connection to the distribution network and the installation of one energy meter. The agreed terms and conditions apply to any previously determined connection or area prices. The connection fee covers the construction costs of an extension of the distribution network (medium voltage network, secondary substation and low voltage network) up to the connection point. The connection point is usually on the border of the plot or site where the new electricity connection is required. The connection point is determined in the connection contract.

Find out the property's electric power needs from your electrical planner and estimate your future consumption habits to ensure that you find the best size of electricity connection and distribution product for you. Order your new electricity connection as soon as the construction work begins. Building a new electricity network extension takes between one and three months on average from the date of signing the connection contract.

The connection fee is not refundable upon termination of the connection contract.

## Low-voltage connection

The connection fee for new low-voltage connections is based on the size of the main fuse (i.e. fuse base) and its distance measured in a direct line from the newly-built 20 kV medium-voltage line, or from an existing secondary substation (zone 2 +). The recommended maximum low-voltage connection is 1,000 A. The connection fee includes value added tax (24%).

## Mini connection

A mini connection is suitable for a device with very low electricity consumption, such as a single billboard. This single-phase connection is designed for connecting a single piece of equipment to the network. The maximum power of the equipment is 500 W.

In the case of mini connections, the customer's electricity contractor builds the network up to the connection point. No electric meter is installed for the mini connection; instead, invoicing is based on a fixed sum according to the power of the connected equipment.

If your electricity needs are greater than the allowed power of the mini connection, you will need to order a normal electricity connection instead.

	Connection fee zone 1 €	Connection fee zone 2 €	Connection fee zone 2+ €	Connection fee zone 3 €
<b>Main fuse size</b>				
3x25 A.....	2 640	3 420	4 100	12 300
3x35 A.....	3 700	4 790	5 740	
3x50 A.....	5 290	6 850		
3x63 A.....	6 660	8 630		
3x80 A.....	8 460			
3x100 A.....	10 580			
3x125 A.....	13 230			
3x160 A.....	16 930			
3x200 A.....	21 170			
Price per ampere for connections exceeding 200 A..... 105 €/A				
Changing single-phase connection to 3-phase connection (phase connection fee).....630 .....630 .....630				
Mini connection* ..... 625 ..... 625 ..... 625				
*) Telephone amplifiers, lighting panels, etc. for a maximum connection capacity of 500 W. In addition, we charge for the direct connection and building costs.				

# Zone pricing of electricity connections

## Zone 1

The prices for zone 1 cover connections where the distance measured in a direct line from the connection point to the 20 kV medium-voltage line (excluding underwater cables) is no more than 300 metres. Zone 1 always applies to urban areas covered by a city plan. In shore plan areas, the zone pricing is based on distance.

## Zone 2

The prices for zone 2 cover connections where the maximum main fuse size is 3x63 A and the distance measured in a direct line from the connection point to the newly-built 20 kV medium-voltage line (excluding underwater cables) is no less than 300 metres and no more than 600 metres.

## Zone 2+

The prices for zone 2+ cover connections where the maximum main fuse size is 3x35 A and the distance measured in a direct line from the connection point to the existing 20 kV medium-voltage line is no less than 600 metres and to the existing secondary substation no more than 800 metres. Zone 2+ pricing is not applicable if the usual network solutions are not available for building the network. Such situations include railways and motorways, factory areas, underwater cables or other difficult waterway crossings and similar.

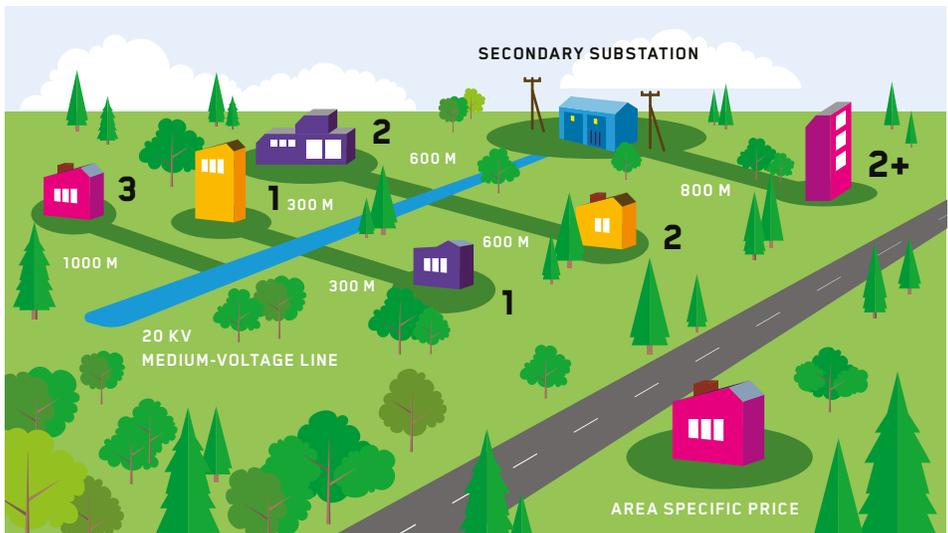
## Zone 3

Zone 3 covers connections where the maximum main fuse size is 3x25 A and the distance measured in a direct line from the connection point to the existing 20 kV line is no more than 1,000 metres.

Zone 3 pricing is applicable in cases where the connections are built using the usual network solutions of underground and overhead lines. Zone 3 pricing is not applicable if the usual network solutions are not available for building the network. Such situations include railways and motorways, factory areas, underwater cables or other difficult waterway crossings and similar.

## Area specific pricing

Area specific pricing is applied to low-voltage connections, except those belonging to zones 1, 2, 2+ or 3. The connection fee is case-specific and affected by the number of connecting parties. Area specific price is at least equal to the connection fee for a connection located in zone 3 and subject to similar circumstances.



## Medium-voltage connection (20 kV)

In a medium-voltage connection, electricity is supplied at a voltage of 20 kV. The connection fee is made up of construction costs and the capacity reservation fee of €55/kVA (VAT 0%). If a customer is connected directly to Caruna's primary substation, the connection fee consists of the construction costs and the capacity reservation fee of €12/kVA (VAT 0%).

The connection point consists of the 20 kV terminals in the Caruna network. The connecting party owns and pays for the equipment behind the connection point and is responsible for the connection cable and any excavation work required. In case changes are made to the connection, any connection and construction costs arising from the voltage level and incurred by the other party will be charged case by case.

When you need a large electricity connection, please contact our Customer Service in good time.

## Increase in the connection fuse size (phase connection fee for a 25 A connection)

If the connection is changed from single-phase connection to 3-phase connection (3x25 A), a phase connection fee is collected in accordance with the zone pricing. If the increase in size requires a metering change, the applicable service fees will be charged in accordance with the rates valid at the time. For increasing a connection in zone 3 from single-phase to 3-phase connection, the real costs will be collected (although in any case not less than the phase connection fee in accordance with the applicable rates).

## Increasing connection fuse size (additional connection fee)

In the case of an increased connection fuse size, the difference between the connection fees for the old and the new main fuse size is charged in accordance with the zone pricing. If the peak power metered monthly for a 20 kV connection exceeds the connection capacity, referred to in the connection contract, twice during the same calendar year, an additional connection fee will be collected in accordance with the rates valid at the time.

The connecting party will not be refunded for a reduction in the connection main fuse size.

## Connection cable

The connection fee does not include a connection cable laid from the network connection point to the connecting party's electrical installations. It is the customer's responsibility to make an agreement with an electricity contractor approved by the Finnish Safety and Chemicals Agency (Tukes) on the construction of a connection cable. The connection cable's cross-section, structure and installation must comply with Caruna's specifications. The maximum length of the connection cable is 200 metres.

## Temporary electricity connection

A connection for temporary electricity distribution is a good option for short-term use. You do not have to sign a connection contract. The electricity distribution product is always General distribution. At larger sites, the electricity distribution product is either Power distribution 1 LV or Power distribution 1 MV.

For a temporary electricity connection, the basic fee will be doubled. A fee in accordance with our service rates is collected for connection to the network.

To find out more about a temporary connection, please contact our Customer Service.

## Electricity connection maintenance

If you no longer need electricity for your metering point, but you don't want to permanently cancel your electricity connection, you can have the connection temporarily deactivated by asking us for a maintenance status. When the connection status is changed to maintenance, the meter will be removed but the connection contract remains in force. Caruna may also change the status to maintenance if the connection has not been connected to the electricity network within six (6) months of the time when it was made available.

Fees in accordance with our service rates are collected for changing the connection status to maintenance and for re-deployment.

Service fees	
	€ (incl. 24% VAT)
Installation, connection and disconnection of meter reading systems (one cable) at a construction site or temporary metering point.....	500,00
- additional cables .....	150,00
Installation of meter reading systems at the customer's request (installation or change of location)	
- installation as a separate job .....	150,00
- installation with other jobs .....	50,00
Disconnecting equipment or reconnecting it to network.....	150,00
Network engineer call-out charge* .....	120,00

\*) Charged also when the agreed job could not be carried out due to reasons attributable to the customer.

Network service maintenance fees	
	€/month
Electricity connection size max. 63 A.....	15,00
Electricity connection size over 63 A (0,4 kV).....	130,00
Electricity connection size 20 kV .....	450,00