

General information form recommended by Finnish Energy

CONNECTING MICROGENERATION EQUIPMENT AND/OR ELECTRICITY STORAGE SYSTEMS TO THE ELECTRICITY NETWORK

On this form, the customer provides the network company with information about production equipment and/or electricity storage systems with a maximum rated power of 100 kVA for the purpose of connecting it to the electricity network. It is possible to request the equipment supplier and/or the electrical contractor, which carries out the connection, to complete the form. The network company is entitled to ensure that the production equipment meets the technical requirements concerning the connection.

1. CONTACT DETAILS

Owner of the production plant	Personal identity number or business ID	
Email	Telephone number	
Address	Postcode	Town
Address of the connection (location of the production plant)	Postcode	Town
Metering point number (found on the electricity network service invoice)		
Contact person (if other than the owner of the production plant)	Email	
	Telephone number	

2. BASIC INFORMATION ABOUT THE PRODUCTION EQUIPMENT

Production form	<input type="checkbox"/> Solar	<input type="checkbox"/> Wind	<input type="checkbox"/> Biogas	<input type="checkbox"/> Diesel	<input type="checkbox"/> Water	<input type="checkbox"/> Other, please specify
Manufacturer, amount and model of network connection devices (inverter)						
Rated power of the production equipment kVA/kW <i>(highest possible power output transmitted from the equipment to the electricity network)</i>	Maximum fault current of the production equipment <i>(highest possible current of the plant)</i>					A
	Measured short-circuit current of the connection (switchboard etc.)					A
Equipment connection	<input type="checkbox"/> Three-phase	<input type="checkbox"/> Single-phase, please tick	<input type="checkbox"/> L1	<input type="checkbox"/> L2	<input type="checkbox"/> L3	
<input type="checkbox"/> An electricity storage device (accumulator, battery) has been connected to the metering point	Capacity and power of the electricity storage system					kWh kW

3. TECHNICAL DATA OF THE PRODUCTION EQUIPMENT

3.1. Protection of the production equipment (please select **ONE** of the following options)

The production equipment meets the requirements of the following technical standard or recommendation, including the protection settings and disconnection times of the network connection device (inverter)

<input type="checkbox"/> Microgeneration standard SFS-EN 50438, national settings for Finland (the same as Finnish Energy's recommendation 2016, technical annex 1)	
<input type="checkbox"/> German requirements document VDE-AR-N 4105 2011-8 (technical protection requirements) <i>NOTE! VDE V 0126 1-1 is not acceptable</i>	<input type="checkbox"/> Other <i>NOTE! If you select this option, also complete section 8 of the form.</i>

3.2. Isolation of the production equipment

<input type="checkbox"/> I assure that the production equipment can be isolated with a separate isolating switch, to which the distribution system operator has free access (e.g. on the external wall of the building, not in a locked facility)
Location of the isolating switch (e.g. on the external wall of the building next to the main entrance)
<input type="checkbox"/> The switchboards of the connection have warning signs about the back feed risk and instructions for disconnecting the equipment

4. FEEDING THE GENERATED ELECTRICITY TO THE NETWORK

The buyer (name of the company) of electricity transmitted to the network company's electricity network
<input type="checkbox"/> Electricity transmission from the metering point to the electricity network is technically prevented (no need for an electricity buyer)

NOTE! Electricity fed into the network company's electricity network must have a buyer.

5. INSTALLER/CONTRACTOR OF THE PRODUCTION EQUIPMENT

(to be completed by the contractor that connects the production equipment to the electricity network)

Electrical contractor	TUKES number	
Address	Postcode	Town
Contact person	Telephone number	Email

The contractor shall deliver to the customer a commissioning inspection record about the equipment. The commissioning inspection record must be delivered to the distribution system operator upon request.

6. FURTHER INFORMATION

Further information

In addition to this form, the network companies can also request other information or forms they require with regard to the equipment and its connection. Further information is available from your network company.

7. SIGNATURE

I hereby declare that the information I have provided is correct

Date and place

Signature and name in capitals

The form may be signed by the owner of the production plant or a person authorised by them, such as the electrical contractor

8. Protection settings and disconnection times of the network connection devices of the production equipment

NOTE! Only complete this section if you selected Other in section 3.1.

NOTE! The distribution system operator has the right not to accept to its network any production equipment, the protection of which cannot be verified in terms of its compatibility with the network.

The protection settings of the network connection device comply with the following standard:

Parameter	Set value	Operating time	Parameter	Set value	Operating time
Over-voltage protection 1			Over-frequency protection 1		
Over-voltage protection 2*			Over-frequency protection 2*		
Low-voltage protection 1			Low-frequency protection 1		
Low-voltage protection 2*			Low-frequency protection 2*		

* where applicable

Automatic synchronisation time of the production equipment after network voltage is restored s

Method and operating time of loss-of-mains protection

The production equipment bears the CE marking