

**How to**  
Calculate your  
electricity  
requirements  
in kilowatts

## How can I order the right electrical connection?

To ensure that all the electrical appliances and devices at your stand work properly, it is important that you order the correct electrical connection. We have compiled this concise guide to help you find the right electrical connection for your stand.



### Adding up the kilowatt consumption of all electrical equipment at the stand

To calculate the total power consumption in kilowatts (kW) of all equipment at your stand, you must add the power requirements of each device and appliance. Once you have done so, please add 10% to ensure that you have reserve capacity. This figure provides you with the minimum total power requirements for your main electrical connection.

We have compiled the following table with guideline power consumption values for common electrical devices and appliances:

Device/appliance	Required power
Refrigerator	800 watts = 0.8 kilowatts
Coffee machine	1,500 watts = 1.5 kilowatts
Kettle	1,000 watts = 1 kilowatts
Cooking ring / hob	1,500 watts = 1.5 kilowatts
Stove	3,000 watts = 3 kilowatts
Dishwasher	2,300 watts = 2.3 kilowatts
Microwave	800 watts = 0.8 kilowatts
Vacuum cleaner	2,000 watts = 2 kilowatts



**Please note: These values are intended solely as guidelines. The actual power requirements of your devices/appliances may vary from those shown here.**

To determine the power requirements of your lighting, please refer to the rating plate. You will find the power requirements circled in red in our example.

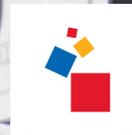


**Screens, laptops, charging devices and presentation equipment all have low power consumption and do not need to be included in your calculations.**

As early as possible

→ Your contact for questions: [strom@messefrankfurt.com](mailto:strom@messefrankfurt.com) ←

Calculated



## How to Calculate your electricity requirements in kilowatts

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### Order a suitable electrical connection from the Shop for Exhibitor Services.

You will find all the available electrical connections in the Shop for Exhibitor Services under >Stand engineering > Electrical connections.

### Please be sure to place your order by no later than 22 days before the start of the event.

As a result of the increased expenditures entailed by planning and implementing orders at short notice, Messe Frankfurt imposes an express surcharge in the amount of **25% on all confirmations, new orders, and changes to existing orders received after this time.**

**We are unable to provide electrical connections on time for orders received within five days of the start of the event.**

No later than 22 days before the event

→ Order electrical connection from Shop for Exhibitor Services ←

Done

## Example: This is how you can calculate which electrical connection you need for your stand

### Lights

4 x 227 watts =  
908 watts

Coffee machine  
1,500 watts

Refrigerator  
800 watts



Do not include television

Do not include virtual assistants

Do not include smartphones

Electrical appliances: 908 watts + 1,500 watts + 800 watts = 3,208 watts

Reserve capacity: 3,208 watts x 10 % = 321 watts

**Total power requirements for electrical connection: 3,208 watts + 321 watts = 3,529 watts**

→ Please order a 4–6 kW connection from the Shop for Exhibitor Services ←