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.

1. 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:

<table>
<thead>
<tr>
<th>Device/appliance</th>
<th>Required power</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refrigerator</td>
<td>800 watts = 0.8 kilowatts</td>
</tr>
<tr>
<td>Coffee machine</td>
<td>1,500 watts = 1.5 kilowatts</td>
</tr>
<tr>
<td>Kettle</td>
<td>1,000 watts = 1 kilowatts</td>
</tr>
<tr>
<td>Cooking ring / hob</td>
<td>1,500 watts = 1.5 kilowatts</td>
</tr>
<tr>
<td>Stove</td>
<td>3,000 watts = 3 kilowatts</td>
</tr>
<tr>
<td>Dishwasher</td>
<td>2,300 watts = 2.3 kilowatts</td>
</tr>
<tr>
<td>Microwave</td>
<td>800 watts = 0.8 kilowatts</td>
</tr>
<tr>
<td>Vacuum cleaner</td>
<td>2,000 watts = 2 kilowatts</td>
</tr>
</tbody>
</table>

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 □ Calculated
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.

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

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