



QUICK REFERENCE GUIDE TO APPLIANCE POWER CONSUMPTION



For electricians at the following exhibition: **Med-Tech Innovation**

The Freeman Company (UK) Limited in providing electrical supplies for exhibitions, we find that many exhibitors are not aware of the power requirements of equipment that they will be using. This Quick Reference Guide is designed to assist exhibitors in planning their power requirements, and if followed, will reduce the likelihood of problems occurring at the exhibition venue.

Freeman Company (UK) Limited provides standard 3-pin English 13A socket-outlets, but with four different power ratings. The list below indicates the sort of equipment that can be used with each of the power ratings:

SK2 (1000W) is rated at 4 AMP AND CAN SUPPLY:

- One computer [or 2 x laptops]
- A small domestic fridge
- Four mobile phone chargers
- Table lamp
- Television and video
- Small domestic coffee machine (750W – 1kW)
- Small domestic steamer (900W – 1kW)
- Small microwave cooker (750W – 1kW)
- Vacuum Cleaner (800W – 1kW)

or any combination of the above using a single 4-way extension (maximum length 2m) subject to a total load of 1000W

SK3 (2kW) AND SK4 (3kW) ARE RATED AT 10 AMP AND 13 AMP AND CAN SUPPLY:

- Jug Kettle (2kW – 3kW)
- Catering coffee machine (1.5kW – 3kW)
- Industrial Cleaners (1.2kW – 3kW)

Please Note:

The list indicates individual items that can be used with each socket, with the exception of the 500W socket above. All sockets are supplied on daytime power only unless 24-hour continuous power is requested and quoted for.

Actual power requirements will vary dependent upon the individual equipment used. All electrical equipment has a Rating Plate that shows its power consumption in Watts (W) or kilowatts (kW). You should carefully examine all equipment to be used and calculate the exact power usage before ordering your electrical power requirements.

If you are ordering a socket so as to be able to supply your own lighting arrangement(s), then in accordance with the regulations, the maximum power rating of any single lighting circuit is 1000W (1kW), so if, for example, you had 3kW of lighting on your stand, you would need to order 3 x 1kW sockets for this arrangement.

Under the current regulations it is not permissible to order a socket and use it to supply a consumer unit if you are carrying out the installation of your own electrical wiring and equipment. In these circumstances you will need to order an electrical mains supply.