

Power Usage Calculation Guide

You already have power available on your site at THE Expo;

- Indoor sites are supplied with 10amps included in site fees
- Outdoor sites are supplied with 16amps included in site fees

Use these 3 easy steps to work out how much power supply you'll actually need;

Step 1

On the below table, fill in either amps or watts (not both) for each appliance you'll be using

- Most electrical appliances have a tag on them which tells you the amps (A) or watts (W) of the appliance. It's usually something like '1.2A' or '300W'
- If you're hiring items, ask the hire company to provide you with the current required

| Item | Watts (W) | Amps (A) |
|-----------------------------------|-----------|----------|
| TV (typical 75W) | | |
| Computer (typical 25W) | | |
| Jug (typical 1200W) | | |
| Electric heater (typical 2300W) | | |
| Tea urn (typical 1800W) | | |
| Lights (from 100-500W) | | |
| | | |
| | | |
| | | |
| Add the columns: Subtotals | | |

Step 2

Divide the subtotal of watts (w) from the above table by 230 to calculate amperage

$$\text{Watts} \div 230 = \boxed{} \text{ Amps (subtotal 1)}$$

Add your amps subtotal (if any) listed above Amps (subtotal 2)

Step 3

Add the two amps subtotals to get the full total of current (in amps) required on your site

Total Amps


Do you need additional power?

Check out the amperage and charges below, and then complete the online Additional Power & Lights form in the Exhibitor Centre at theexpo.co.nz by the deadline if you need to order additional power supply.


Additional power order deadline: 10 February 2017

Indoor power options

Standard power (supplied on one circuit with a 4-way multi-board)


| | | |
|---|-----------------------------------|-------------------------|
|  | 10amps with a standard 3-pin plug | \$ included in site fee |
|---|-----------------------------------|-------------------------|


Upgrade from 10amps to 15 or 16 amps (on one circuit)


| | | |
|---|--------------------------------------|------------|
|  | 15amps with a 3-pin wide-ground plug | \$70 + GST |
|---|--------------------------------------|------------|

| | | |
|---|--------------------------|------------|
|  | 16amps with a 3-pin plug | \$70 + GST |
|---|--------------------------|------------|

Additional power (on a second circuit)


| | | |
|---|-----------------------------------|-------------|
|  | 10amps with a standard 3-pin plug | \$210 + GST |
|---|-----------------------------------|-------------|


| | | |
|---|--------------------------------------|-------------|
|  | 15amps with a 3-pin wide-ground plug | \$210 + GST |
|---|--------------------------------------|-------------|


| | | |
|---|--------------------------|-------------|
|  | 16amps with a 3-pin plug | \$210 + GST |
|---|--------------------------|-------------|

High level (on one circuit)

Switchboards may be required for high level power. Additional cost, price on application (if required)

| | | | |
|---|--------|--------------|-------------|
|  | 32amps | Single Phase | \$490 + GST |
|---|--------|--------------|-------------|


| | | | |
|---|--------|---------------------|-------------|
|  | 32amps | 3-Phase, 5-pin plug | \$760 + GST |
|---|--------|---------------------|-------------|


| | | | |
|--|--------|----------------------|-------------|
|  | 32amps | 3-Phase, C-Form plug | \$760 + GST |
|--|--------|----------------------|-------------|

Outdoor power options

- Power is supplied to the edge of the site
- 4-way multi-boards are not supplied as standard (available on request)


Standard power (supplied on one circuit, specify required plug type)


| | | |
|---|-----------------------------------|-------------------------|
|  | 10amps with a standard 3-pin plug | \$ included in site fee |
|---|-----------------------------------|-------------------------|


| | | |
|---|--------------------------------------|-------------------------|
|  | 15amps with a 3-pin wide-ground plug | \$ included in site fee |
|---|--------------------------------------|-------------------------|

| | | |
|---|--------------------------|-------------------------|
|  | 16amps with a 3-pin plug | \$ included in site fee |
|---|--------------------------|-------------------------|

Additional power (on a second circuit)


| | | |
|---|-----------------------------------|-------------|
|  | 10amps with a standard 3-pin plug | \$245 + GST |
|---|-----------------------------------|-------------|


| | | |
|---|--------------------------------------|-------------|
|  | 15amps with a 3-pin wide-ground plug | \$245 + GST |
|---|--------------------------------------|-------------|


| | | |
|---|--------------------------|-------------|
|  | 16amps with a 3 pin plug | \$245 + GST |
|---|--------------------------|-------------|

High level (on one circuit)

For improved load efficiency, exhibitors with high power usage may be required to hire a 3-phase distribution board. Price on application (if required)

| | | | |
|---|--------|--------------|-------------|
|  | 32amps | Single Phase | \$490 + GST |
|---|--------|--------------|-------------|

| | | | |
|---|--------|---------------------|-------------|
|  | 32amps | 3-Phase, 5-pin plug | \$760 + GST |
|---|--------|---------------------|-------------|

| | | | |
|---|--------|----------------------|-------------|
|  | 32amps | 3-Phase, C-Form plug | \$760 + GST |
|---|--------|----------------------|-------------|

Need more than 48amps?

Exhibitors requiring more than 48amps (irrespective of the number of sites) can contact THE Expo to arrange the hire of silenced generators.

Your responsibility

It is the exhibitor's responsibility to arrange all electrical equipment on their site. All electrical equipment and connections used on site must comply with the Australian/New Zealand standard 3002:2008, including a current test tag for your equipment. All electrical connections must have RCDs installed in the circuits.

All your appliances and electrical equipment must have a current test tag

On-site electricians

All electrical work on your site is to be carried out by a qualified electrical tradesman who must first provide THE Expo with a compliance certificate. We recommend the use of our on-site electricians. Please contact **Event Lighting & Power on 07 823 5002**.

General notes on power

Mystery Creek Events Centre has invested heavily in power reticulation across our site but cannot guarantee supply without possible interruption.

It is important to assess your likely power consumption and additional power requirements prior to the event. THE Expo will monitor power usage during the event and any exhibitor exceeding their level and causing the circuit breaker to trip will be charged a penalty in addition to the power fee.

Additional power order deadline: 10 February 2017