

Generator Selection Guide

Guide to Hiring an Electrical Power generator that's best suited to your requirements:

- Determine the tools and appliances you want to power at the same time.
- List the start up and running power usage (Watts) for each tool and appliance.
- Add the total power usage and add 10% .
- Choose a generator with a rated and maximum power that equals or exceeds your requirements.
- Too much power is better than just enough or not enough.

Starting power requirement

- Appliances and brushed motor equipment will generally not draw more power than running Watts at start up.
- Equipment like air conditioners, welders, water pumps and compressors can draw 2 to 5 times their running power at start up. Please consult your equipment's rating label, manual or the manufacturer to confirm specific requirement.

Inverter generators

- Inverter generators produce power in a different way to standard generators. They produce clean AC single phase power. Inverter generators produce a pure sine wave which is suitable for use with sensitive electrical equipment such as TV's, laptops, tool battery chargers and other consumer electronics.
- Another benefit of an inverter over standard generators is that the size and weight of inverter generators is usually smaller making them much more portable.
- Silent type inverter generators are specifically designed to keep noise to a minimum.
- A pure sine wave will an alternator that is recommended for sensitive electrical equipment but is perfect for simple appliances, brushed motors and tools.

Eco mode

- A Generator that is able to run at a reduced RPM if running under full load to conserve fuel.

Fuel tank capacity/Fuel consumption

- Check the tank size and running time. If you need a full 8 hour work day running time or backup power you may need a generator with a long range tank.

Circuit breaker

- Either switched or electronic, this protects the generator from overheating if current draw overloads.

Accessories

- Wheel & Handle kits
- Lifting Point - for heavier generators, a lifting point may be required to meet work site or OH&S requirements.