

Power Blackouts

A thing of the past



 **Invertertek**

Pure Sine Wave

DC / AC Inverter

RICH ELECTRIC

Don't Be Left in the Dark

Power Blackouts

A thing of the past

When bad weather or other conditions interrupt power service, home owners can find themselves unable to run necessary appliances and lights. While flashlights or candles can provide light, many appliances will remain unusable until power from the grid is restored.

This situation can be serious if critical appliances such as medical devices, telephone, home office computers, water pumps, or refrigeration are threatened. The SuperCombi Power Management Control System makes it possible for home owners to have continual access to electrical services during power outages. The system is simply a battery-based storage system. The two basic components of the Power Management Control System are an interactive inverter/charger and a DC battery supply.

The SuperCombi converts AC power from the grid to DC, to charge the battery. When power from the grid is lost, the SuperCombi then converts the DC battery power back to AC for use in the home or office.

The length of time that the storage system can provide emergency power to the home depends on its overall capacity and the type and number of appliances connected to the backup system. For example, a typical system can provide power to household appliances for 2 to 12 hours. However, power conservation can extend operating time considerably longer.

Additionally, generators or photovoltaic equipment (Solar Panels) can be integrated directly into system to replenish or supplement the batteries when power is not available from the grid, or to help the batteries support the home's load. Additional batteries may also be added to increase backup time. The system is well suited to maintaining power to entertainment and home office electronics, lighting, water pumps and refrigerators. Other appliances such as electric heaters, electric water heaters, stoves, air conditioners, electric jugs, toasters and long uses of microwave ovens would place a large demand on the system, and quickly deplete the batteries. Therefore, they are not good candidates for a basic backup power system. Potential owners need to identify which appliances will be supported by backup power and determine the load needed to accommodate them. The capacity of the system can then be customised to fit the needs identified by the owner.

The SuperCombi can provide immediate electrical power to critical loads during natural or other disasters. There is no noise, maintenance, or pollution normally associated with backup generators.

During a power outage the SuperCombi will supply power to your fridge for up to 24 hours. (Based on double door fridge with a power consumption of 700kWh Per Year) or a Fridge and 3x energy saver 18watt lights for up to 12 hours. or a Fridge, 3x energy saver lights and television for approx 6 hours.

(Television based on 40 inch LCD flat panel TV using 170 watts)

Figures are based on a 2kW Essential Plus Back-up Power System.

For you nearest dealer contact:

Ph:02 4353 3366 www.richelectric.com.au

Don't Be Left in the Dark