

# Power back up for connectivity



## Small Business Help Guide

### Why is power back up essential?

Power outages can disrupt business operations, leading to potential sales losses, critical data loss, and decreased productivity. Reliable power backup solutions ensure your business remains online and operational during outages, which is especially crucial in Australia's regional areas.

### Selecting the right solution

#### Assess your needs:

- **Critical equipment:** Identify essential equipment needing backup.
- **Duration:** Determine how long you need to stay operational during an outage.
- **Budget:** Consider your budget and total cost of ownership.



### Types of solutions

#### 1. Uninterruptible Power Supply (UPS) systems.

UPS systems provide immediate power during an outage, preventing data loss and downtime.

- **Standby UPS:** Basic, cost-effective, ideal for small equipment (e.g., computers, routers).
- **Line-Interactive UPS:** Offers better protection and voltage regulation, suitable for small offices.
- **Online UPS:** Provides continuous power, ideal for critical systems.

Use cases: Short-term outages, protecting sensitive electronics.

#### 2. Generators.

Generators provide power for longer durations.

- **Portable generators:** Small, movable units, ideal for temporary use.
- **Standby generators:** Fixed units that automatically activate during an prolonged outage.

Use cases: Extended outages, powering larger equipment or entire premises.



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### 3. Solar Power systems with battery storage.

An eco-friendly renewable energy solution with lower long-term costs.

- **Grid-Tied systems with battery backup:** Connected to the power grid but with batteries to store excess power for use during outages.
- **Off-Grid systems:** Completely independent of the power grid, ideal for remote locations.
- **Hybrid systems:** Combines solar with other backup solutions like generators for enhanced reliability.

Use cases: Sustainable long-term power backup, especially in sunny regions.

### 4. Hybrid systems.

Combines two or more backup solutions (e.g., solar and generator) for enhanced reliability.

Use cases: Businesses needing versatile, greater reliability and robust backup solutions.

## Regional Tech Hub Small Business Connectivity Hub

- Providing tailored advice.
- A range of online resources.

To find out how the RTH can assist you with free and independent advice, visit:  
[www.regionaltechhub.org.au/smallbusiness](http://www.regionaltechhub.org.au/smallbusiness)

### 3 KEY TAKEAWAYS

- **Maintenance:** Regular maintenance ensures reliability.
- **Scalability:** Choose scalable solutions that grow with your business.
- **Professional advice:** Consult experts to tailor the best solution for your needs.

