

PROTECT FROM THE

UNEXPECTED

Your critical equipment and applications are sensitive to damage caused by power disturbances.

When power fluctuates outside expected levels, UPS instantly provides clean battery power to your electronics and critical devices.



CONNECTION YOU CAN

RELY ON

APC Smart-UPS provides clean battery backup power and surge protection, giving users enough time to keep working, allowing them to properly save their work before power runs out.

Trusted by millions of IT professionals throughout the world.



APC SMART-UPS SERIES

AVAILABLE TODAY

Award-winning APC Smart-UPS is the most popular UPS in the world for servers, storage and network power protection.

Smart-UPS provides availability and manageability to your network allowing you to focus on business growth instead of business downtime.







RANGER COMPUTER SYSTEMS

A BPX DIVISION PROVIDING IT SOLUTIONS FOR INDUSTRY

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WHAT MAKES THEM UNIQUE?

- £ Lowers TCO by up to 50%
- 2x longer life
- Intelligent battery management system
- Remote UPS management options
- 5-year warranty



Your critical devices and electronics affect your daily life. Power surges and outages are more common and destructive than you think. A battery backup solution, such as an uninterruptible power supply (UPS), can provides protection against such events.

Keep your home and office powered and protected with **APC™** by Schneider Electric's UPS. Power protection solutions from home entertainment to data centre to industrial environments

Why choose an APC Smart-UPS

- Improves Safety While Driving Business Continuity
- Remotely Manages UPS with Certainty
- Maintains Network Security
- Eliminates Maintenance Headaches
- Outperforms Harsh Environment
- Short Lead Time
- Easy to Service



How to help choose the right UPS

In today's world, where the power grid can be unreliable, having an uninterrupted power supply is essential to keep critical equipment and systems running smoothly.

Whether you are using computers and smart home devices or are managing a small business or a large enterprise, it is important to carefully consider your options when purchasing a new UPS.

To make an informed decision, it's crucial to ask the right questions before investing in a single-phase or threephase UPS unit.

- 1. What critical systems or equipment are currently in place that require protection from power disruptions or outages?
- 2. Next, look at the loads the UPS is intended to protect. What is the total power draw in kW of the connected equipment that needs UPS protection?
- 3. How will they be powering the UPS Is it a single or a three-phase power feed? Generally, loads of 20kVA or less can safely use a single-phase UPS. Larger loads will likely need a 3-phase UPS.
- 4. If it's determined that a 3-phase UPS is required, the next question is whether to use a 3/1 configuration or 3/3. A 3/1 UPS takes in 3-phase power but puts out single phase while a 3/3 takes in 3-phase power and likewise delivers 3-phase to the downstream loads.*
- 5. What is the runtime requirement for the customers equipment? Is there a backup generator on site, or will the UPS be expected to power the load by itself? If so, for how long?

- 6. Are there any expansion plans or changes in IT infrastructure that may impact the UPS requirements in the near future? While calculating the estimated capacity and load, you need to think about the future growth of your power needs.
- 7. Will it be rackmounted or a floor standing UPS?
- 8. What level of remote monitoring and management capabilities are you seeking for your UPS systems?
- 9. Is any installation service needed?



Life Is On



*The answer will largely be dictated by the downstream loads the UPS is protecting. IT equipment such as servers typically use single-phase power while medical equipment such as MRI machines or large factory floor machines may use 3-phase power. Although, some customers prefer the 3/1 configuration because it keeps things simpler by obviating the need for load balancing, which is required with the 3/3 configuration.



