

Eyre Building Services

UPS System Case Study



A Mechanical, Electrical and Maintenance facility reached out to us with a specific requirement for an UPS system. This facility needed a reliable UPS system to support a continuous load of 12.24 amps per phase. Additionally, their load had a start-up current of 89.15 amps.

Furthermore, the facility required the UPS system to provide a minimum runtime of 4 hours in the event of a power outage. This meant that the UPS system needed to be able to sustain their facility's power needs for at least four hours without any external power source.

To ensure that the UPS system met their specific requirements, we carefully selected a system that was capable of providing the necessary continuous load capacity as well as accommodating the high start-up current. We recommended was also equipped with high-quality batteries that could provide the required runtime of 4 hours.

We understand the critical importance of providing reliable and uninterrupted power to facilities such as this Mechanical, Electrical and Maintenance facility. Therefore, we took every necessary measure to ensure that the UPS system we recommended would meet their exact specifications and requirements.

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“We recognise that a one size its-all approach does not work when it comes to power protection, so our solutions are bespoke to each customer.”

**Jack Ogden, Commercial Director |
UPS Systems PLC**

In addition to the UPS system itself, we also supplied the Mechanical, Electrical and Maintenance facility with an External Maintenance Bypass Switch (EMBS). The EMBS is an essential component of switchgear that provides an important function for the UPS system. The EMBS allows for the complete isolation of the UPS system without any interruption to the load. This feature is particularly useful for comprehensive maintenance visits, as it allows the maintenance team to carry out necessary repairs and updates to the UPS system without causing any downtime for the facility.

The EMBS allows the UPS system to be removed and replaced with without any disruption to the facility’s power supply. This ensures that the system is easy to maintain and update in the future, making it a practical solution for the facility’s power requirements.

At our company, we prioritise providing comprehensive and reliable power solutions that not only meet but exceed our clients specific requirements and expectations

The installation of the UPS system was done in conjunction with the critical equipment that needed to be backed up. The UPS system was installed between the main power source and the equipment during normal working hours.

The UPS system filters incoming power, protecting the equipment from any power-related issues such as voltage spikes or dips. In the event of a power outage, the UPS system will provide a seamless transition from the main power source to the battery backup, ensuring that the equipment remains powered for the full 4-hour runtime.



The 80 kVA UPS system provided the manufacturing facility with the necessary backup power to support their critical equipment during a power outage. The system is capable of handling the inrush current and continuous load requirements, and the battery backup is sized to provide the necessary 4-hour runtime.

At our company, we understand the importance of providing reliable power solutions that meet our clients unique needs.