

Research Centre Modular UPS Installation - Delivering Resiliency During A Global Pandemic

The Challenge

Astex Pharmaceuticals is a world leader in innovative drug discovery and development. It is committed to the fight against cancer and to developing drug therapies for CNS (central nervous system) disorders. Its work is unceasing - even during a global pandemic - thus protecting its high-value and sensitive research equipment along with critical experiment data is a must at all times.

Astex required a highly resilient UPS system for an IT system that would allow for future growth. It needed the equipment to be delivered and installed according to a specific schedule, despite COVID restrictions.

The Solution

With the customer's requirements in mind, the SolarEdge Critical Power team proposed a solution that comprised a three-phase modular UPS system with a 200kW frame, coupled with five 25kW power modules. This provided the system the capacity to grow from 125kW up to 175kW with N+1 redundancy without the need for additional investment in infrastructure or replacing the UPS system with a larger one in the future.

In addition, the system design included a dual-string battery to offer greater autonomy and redundancy from day one with sufficient rating for the future when the system would be expanded to meet its full power capacity. A dual string topology places two 'strings' of batteries in parallel to ensure that the UPS will continue to perform during a power outage even if a battery is one of the strings fails.

Delivering the Optimum Solution During a Global Pandemic

SolarEdge supported the project throughout – from design, through to factory witness testing, delivery and positioning, battery build, commissioning and load bank autonomy testing. Keeping to the schedule during the pandemic was challenging due to travel restrictions, delays in international shipping and limitations on working on-site. However, the SolarEdge Critical Power team's resourcefulness was applied right from the start to ensure that the UPS was up and running well before the client's IT population date.



UPS & battery cabinet



“We were happy to work with SolarEdge Critical Power on this key critical project. The product is very compact and offers us the redundancy we need with the ability to grow as future demands dictate. SolarEdge Critical Power were also engaged via a 24/7 service contract and we look forward to future projects”

said Simon Brutnell, Facilities Director at Astex

About SolarEdge Critical Power

With today's accelerating demands for data and always-on communications, SolarEdge Critical Power has been powering data centres, computer rooms, medical facilities, control centres, laboratories and production lines, all over the world, for over five decades. SolarEdge Critical Power delivers both innovative UPS products and flexible and cost-effective maintenance and servicing for UPS systems.

SolarEdge Critical Power is a member of the SolarEdge (NASDAQ: SEDG) family that includes the PV division - the world's No.1 solar inverter company; the e-mobility division - a leading innovator in powertrain solutions and the battery division which manufactures premium batteries and advanced Energy Storage Systems.

<https://criticalpower.solaredge.com>