

Major UK Police Force Installs near 1MW of SolarEdge Critical Power Modular UPS Systems to Meet Resilience Demands

Background

To better serve the public, the UK government funded general upgrades to 5 older police stations and vast improvements in their power and operational resilience.

The new UPS systems had to fit into the existing site infrastructure - standard communication rooms which were repurposed into mission critical areas. Modular UPS were detailed for their resilience, flexibility and low MTTR.

Challenges were an aggressive program and the fact that the police stations had to remain active for core duties at all time, despite the complex switchovers required.

SolarEdge Critical Power Modular Architecture Addresses Project Needs

Resilience requirements varied from N+1 to 2(N+1) for the highest possible resilience. Usually the downside of 2(N+1) architectures is the high price which needs to be paid. Fortunately, the SolarEdge Critical Power modular UPS is a cost-effective solution that can provide the stringent reliability requirements at an affordable price point:

- Scalable module-level redundancy
- Simple serviceability with hot-swappable and light sub 20kg power modules
- Small footprint – Compact design of only 1230mm high and 540mm width for a 200kW UPS
- Ease of operation with 7" user-friendly control interface and remote monitoring capabilities



Installation at a Glance:

- Site A - 250kW of UPS
- Site B - 150kW of UPS
- Site C - 250kW of UPS
- Site D - 150kW of UPS
- Site E - 150kW of UPS

For continuity, all sites featured the same control panels and power modules from a single product family.

SolarEdge Critical Power Unites Forces with the Electrical Specialist for Flawless Design and Execution

Bespoke design and flawless execution across multiple sites meant the tight project deadlines were met. Solaredge's sales, operations and service teams provided top level support across the board from consultant and design to training the end users on system operation.



“We employed SolarEdge Critical Power to supply, deliver and commission multiple three-phase modular UPS for several MET Police sites in 2020. We were impressed with compactness and quality of the product and the flexibility and support offered to meet deadlines in this very demanding and fluid project where the police stations still had to operate despite major refurb works. I look forward to working with SolarEdge Critical power again soon”

said Jake Berry, Contracts Manager at Evolve Electrical

About SolarEdge Critical Power Division

SolarEdge (NASDAQ: SEDG) is a global leader in smart energy and the world's top solar inverter company in revenue with millions of systems installed in 133 countries. SolarEdge addresses a broad range of smart energy market segments through its PV, storage, UPS, EV charging, battery, electric vehicle powertrains, and grid service solutions.

SolarEdge Critical Power division delivers innovative products and solutions that powers critical computers, storage and machines in a broad range of sectors. With the accelerating demands for data and always-on communications, we have been powering data centers, computer rooms, medical imaging, control centers, laboratories and production lines, all over the world, for over five decades.

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