

# Critical Care Environments

## General

Most large hospitals and medical centers are equipped with generators for emergency backup power and egress lighting. In the event of unusable voltage, a brownout, a complete power outage, or a gen-set test, the backup generator will supply adequate electrical power within the code-mandated 8 – 10 seconds. In most locations within a healthcare facility, this 8 – 10 second

delay is completely acceptable. But critical care suites cannot remain in darkness for any length of time.

To help alleviate the power outages in critical care environments, individual battery wall-packs and/or emergency ballasts are sometimes installed in these areas. However, for a variety of reasons, this type

of emergency lighting is not the most cost-efficient solution. The mandatory, code-compliant, monthly testing and data recording of all the individual wall-packs and emergency ballasts is very time consuming. In addition, monthly visits by maintenance personnel can lead to unintentional contamination of the critical care environment.

## The eLITE ELE and UltraLITE

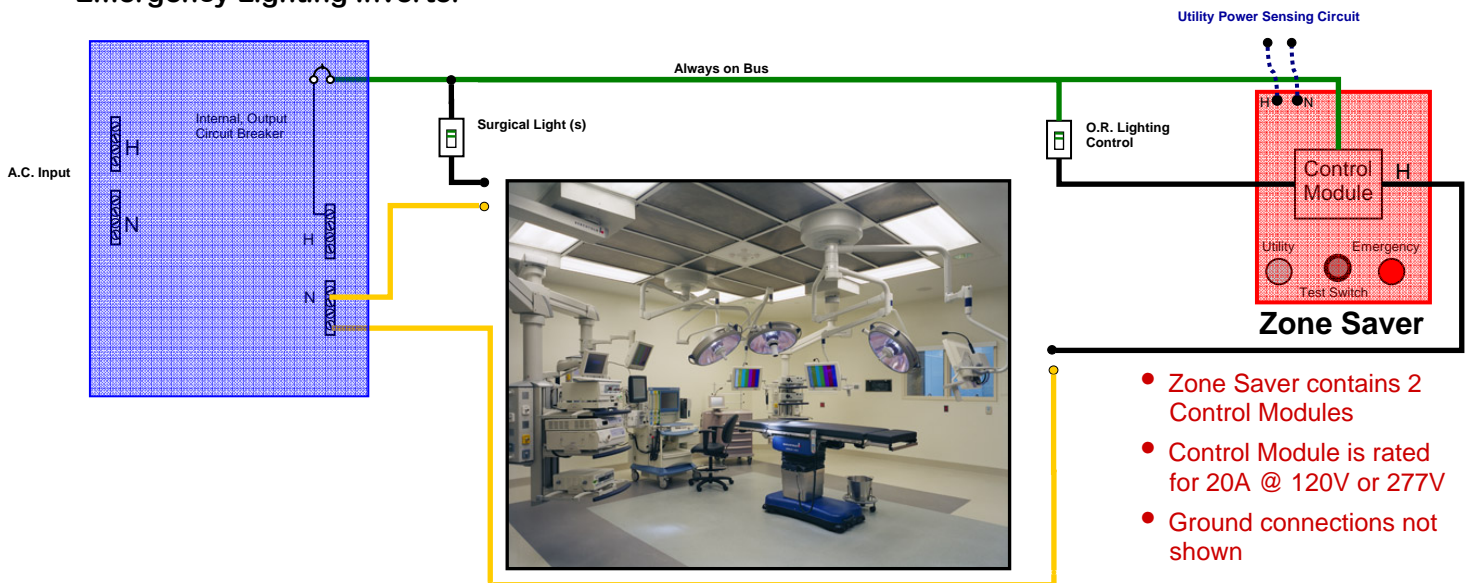
In contrast, the eLITE ELE and UltraLITE models are the better solutions for providing backup emergency lighting and power to critical care environments. Both inverter models are generator-

compatible and eliminate the 8 – 10 second power delay (UL 924A). Also, each model is capable of replacing the egress lighting completely with a full 90 minutes (UL 924) of internal run time for

each critical care application. All inverter testing, record-keeping, and maintenance is performed from a centralized location, away from the critical care environments.

Operating Room - Emergency Room - Cath Lab - Plastic Surgery - Delivery Room

## Emergency Lighting Inverter



## Summary

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When combined with medical-grade surgical lights (UL 60601 listed) and the inverter's optional ZoneSaver, the eLITE ELE and the UltraLITE provide the optimum solutions for critical care emergency lighting applications in operating rooms, cardiac cath labs, delivery rooms, etc.

For example, once the surgical light has been turned "on", in the event of a power outage this light stays "on" (no 8 – 10 second delay).

In comparison, the O.R. lights may be switched "on" or "off" as desired, but even if the switch is left in the "off" position, the lights will

"automatically turn on" in the event of a power outage.

Required monthly testing is automatic and remote. Data recording and test results may be sent via Ethernet or ModBus, thus eliminating unnecessary maintenance efforts and any related contamination of the critical care environments.