

# Borealis Series

## With Three-Phase Monitoring

**Always On**™

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General lighting systems for buildings are typically connected to all three phases of a building's electrical distribution system. Should one of the three phases lose power for any reason, a portion of the building's general lighting will go out.

This could leave occupants in the dark potentially in a dangerous or hazardous situation. By having the central emergency inverter system connected to all three phases of the electrical distribution system, this provides power monitoring which will sense a failure of any one phase of the general lighting system and will generate an alarm so that the necessary actions can be taken to provide the minimum amount of illumination required to all areas of the building during all power events.

A single phase central inverter system does not include this type of failsafe monitoring and can potentially leave occupants of a building in the dark.

### Borealis Also Offers:

- ◆ Lower initial and life cycle costs
- ◆ Larger, more intuitive front panel user interface with password protection
- ◆ Event logging
- ◆ Smart building automation communication protocols
- ◆ Easier maintenance
- ◆ Smaller system footprint

### CSA 141-15 4.4.5 includes phase failure monitoring and testing requirement;

*“Equipment intended to be supplied from a multi-phase circuit shall automatically energize the emergency circuits upon failure of any one phase of the normal supply and return to the operating state prior to the power failure when the normal supply is restored.”*

**A central Inverter system capable of utilizing and monitoring all three phases of a buildings electrical system creates a safer environment for occupants in all situations, including disasters.**