

Signtex Central Battery System & MOONLITE LED **FAQ**

What is the initial cost of a central battery system compared with typical unit equipment, including emergency ballasts, wall packs, and exit signs?

10%-20% above typical unit equipment of reasonable quality. In some cases, the CBS can be cheaper. In all cases, Return on Investment is less than one year! See Cost Comparison studies available on our [web site](#).

How do operating costs of the CBS compare with typical unit equipment?

CBS saves as much as 95% in operating costs. If night lighting is included, cost savings are even greater.

How does CBS compare to inverters?

Like an inverter, CBS is a Uninterruptible Power Source (UPS) but output is DC, not AC. The CBS does not include complex electrical parts like an inverter, and does not require factory installation or maintenance.

With DC circuits, how do you allow for voltage drop?

CBS output is 24 VDC; when combined with the very low power required for the LED emergency fixtures, voltage drop is low, allowing typical circuits up to 300 ft using #12 wire.

How many circuits can be run from one panel?

There are six circuits available with present models of CBS.

How many CBS panels are required in a building?

A good rule of thumb is to assume one CBS will provide all emergency lighting (interior, exterior and exit signs) for an area of about 15,000 sq ft. The area will vary with the layout.

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If normal lighting is lost in one area when utility power is still on, can emergency lighting be activated in that area?

Yes. We can supply a Local Branch Circuit Monitor (LCM), a switch panel that senses loss of power in up to eight branch circuits for normal lighting, to activate emergency lighting.

Can the CBS provide all interior and exterior emergency lighting in any building?

Yes.

How is power for night lighting supplied?

A 24VDC power supply is installed in the CBS panel for security or night lighting. Each MOONLITE LED fixture has two inputs, for emergency and normally on modes.

How is the night lighting controlled?

As this is independent of emergency operation, power can be switched manually, through a timer, a photocell, or an EMS.

How many wires are required in each circuit?

Standard system - 3 Wires:	RED- Emergency: GREEN: Ground (- 24VDC) WHITE- Exit Power (Continuous):
Security/ Night Lighting:	4 wires: Include BLACK 24 VDC.

What is the maximum ceiling height for emergency lighting?

Up to 70 ft using the CVR fixture (MR16 Lamps); up to 30 ft. with MOONLITE LED.

What is maximum spacing for LED fixtures to provide an average of 1 Ft Candle on the path of egress?

Up to 55ft in corridors with ceiling heights 9ft-10ft.