ELEVATING SUSTAINABILITY. CRAFTING EXTRAORDINARY BUILDING EXPERIENCES.

Why low voltage DC power for intelligent buildings?

- Clients are looking for sustainable solutions that require less maintenance, materials and energy to operate
- Many end points such as lighting, cameras, access points, phones and more are direct current (DC)
- Just by designing with DC power infrastructure, a building's lighting system is 10% more efficient
- Safe low voltage DC power allows data to also be moved over the same ethernet cabling infrastructure

Sustainability Made Easy

- Earn LEED credits with our Direct Current Power Systems, contributing towards LEED Zero certification.
- Promote a greener workplace by effortlessly integrating motorized shades for enhanced occupant comfort.
- Seamlessly control both lighting and AV systems in conference rooms, improving productivity and user experience.
- Gain insights into your space's operations with the addition of space utilization and indoor air quality sensors.
- Future-proof your environment with our low voltage architecture, ensuring flexibility for reconfiguring spaces over time

Take advantage of potential tax credits of 30% or more with the IRA 2022, making the system even more affordable.

Experience a remarkable 10% or more energy savings compared to traditional systems.

Enjoy 15% less maintenance throughout the life of the system, reducing long-term expenses.

Enhanced Workplace Experience

- Empower your employees with our mobile application, fostering connectivity and control.
- Connect with colleagues easily and efficiently while enjoying the convenience of managing door locks, cameras, lighting, temperature, AV, and more.

Discover the perfect blend of sustainability, cost savings, and an exceptional workplace experience. Contact us today to learn more about our innovative solution.

SINCLAIR DIGITAL

info@sinclair-digital.com

www.sinclair-digital.com

817.255.4015

515 Houston St, Suite 621
Fort Worth, TX 76102 US

AC vs DC POWER.
WHAT'S THE DIFFERENCE?

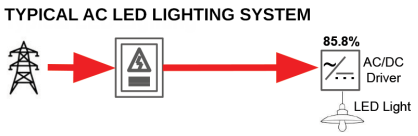
Understanding the Distinction between AC and DC Power

AC: AC stands for alternating current
- AC power, the current periodically changes direction.
- AC power is generated by power plants and transmitted through power lines.
- It is a good technology for moving power over very long distances at higher voltages.

DC: DC stands for direct current.
- In DC power, the current flows in a single direction.
- DC power is typically produced by batteries, solar cells and fuel cells.
- DC power is more efficient than AC power for many commercial applications such as lighting, phones, variable-frequency motor drives, televisions, computers, appliances, elevators, EVs and more.

Connecting DC loads to a building's AC distribution network requires AC/DC conversion, also known as "rectification". AC/DC conversion introduces a loss of approximately 5%-20% each time power is converted.

To achieve the goals of decarbonization, **reducing our energy spend** and to become more resilient, moving to DC power infrastructure within buildings is the key.



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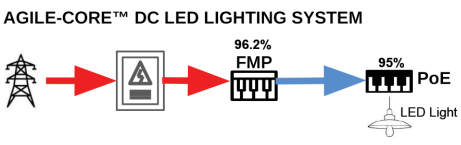
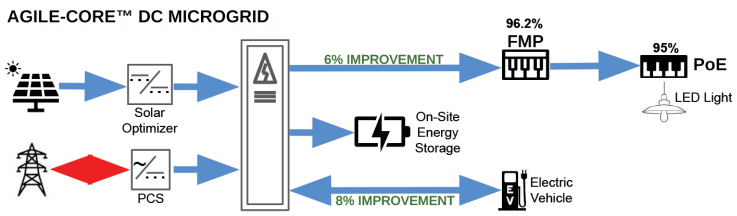


Fault managed power (FMP) + Power over Ethernet (PoE) are more efficient than tradfitonal AC lighting systems.

Best



DC Microgrids are inherently more energy efficient than AC systems