

PowerShift® Metro: A smarter, easier way to power your small cell networks



Demand for wireless data is exploding, with 5G deployments increasing daily. Increased data traffic requires more computational power. As a result, networks must increase cell density, adding thousands of small cells—up to 10 for every LTE macro site. And they all need power. A typical three-sector small cell can require 200–1,000 watts of power. How do you run reliable power to every small cell quickly and affordably? Your solutions are as limited as your time and budget. What's your strategy? PowerShift® Metro.

PowerShift Metro is an innovative solution that delivers cost-effective power, fiber and battery backup to clusters of small cells up to two miles away.

The heart of the PowerShift Metro solution is the power hub—ac power supply, rectifier and battery backup—that can be deployed from any central location or macro site. The power hub distributes power (from the grid) and up to 144 fiber strands to clusters of small cells arranged in a “hub and spoke” architecture. The power hub also contains enough battery backup to deliver full power to the small cells should the grid power fail.

The power hub is a fully self-contained power station complete with cooling, power and space for additional gear—so operators

can use it to install and house other components such as virtualized distributed units, baseband units, compute and network switches, and more.

Built-in safety features enable non-certified electrical personnel to install the solution. In most cases, the cable can be co-routed with other communications cabling. A unique, expandable bus structure lets you add edge nodes or additional power, often without cable upgrades. Real-time monitoring delivers a wide range of data—like voltage, current, and operating temperature—on-site or from any web browser. PowerShift Metro supports applications such as fixed-wireless access points, mobile edge computing, hybrid fiber coaxial cabinets, smart city installations and more.

Regain control of your small cell deployment with PowerShift® Metro

By eliminating the excessive time, costs and scheduling uncertainty associated with a utility drop, PowerShift® Metro enables operators to quickly and efficiently provide primary and backup power to their small cells, even where power is not readily available.

Reducing the number of uncontrolled variables gives operators complete control over how, when and where to add small cell coverage—so you can swiftly respond to new market opportunities and reduce time to market while reducing overall costs and increasing network reliability.

CommScope PowerShift Metro is engineered and supported by an industry leader who has the experience, expertise and global resources to keep your network growing. No matter where you are located or what your goals are, CommScope helps you adapt and evolve your network to ensure the high-speed capacity and consistent quality of service your users expect. Today and tomorrow.

Key Benefits:



Dramatically reduce installation costs



Accelerate time-to-market



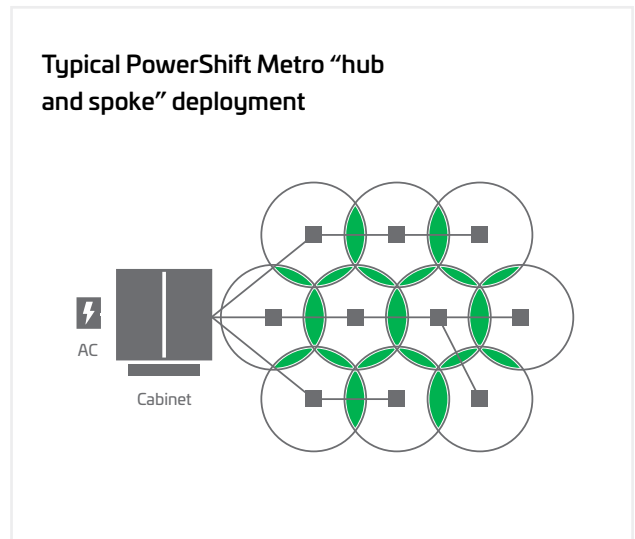
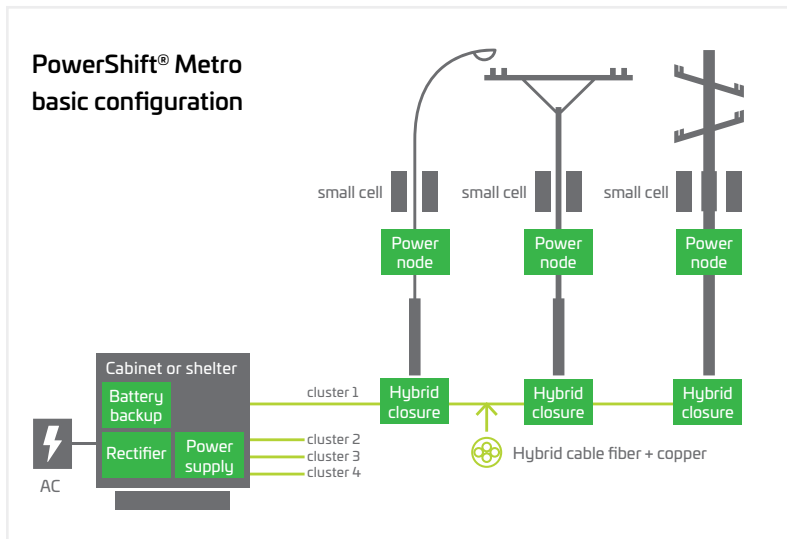
Ensure service continuity



Future-proof your power infrastructure



Reduce congestion at the pole



To learn more about the CommScope PowerShift Metro solution, watch this brief video and see how PowerShift Metro can help you take control of your small cell networks.

Learn more

CommScope pushes the boundaries of communications technology with game-changing ideas and ground-breaking discoveries that spark profound human achievement. We collaborate with our customers and partners to design, create and build the world's most advanced networks. It is our passion and commitment to identify the next opportunity and realize a better tomorrow. Discover more at commscope.com

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