

AMT POWERNODE

Hardened Edge Infrastructure with Built-In Resilience.

Hardened autonomous power. Reliable power with a clean, energy-efficient backup that is maintenance-free, from proven SOFC (solid oxide fuel cell) technology integrated with the network.

**Up to a week
of power
backup***

Minimum backup autonomy through extended outages

1.35 kW

Continuous per DC blade, subject to load sizing

42 dBA

Ultra-quiet, for noise-sensitive sites and no toxic emission



Common hardened power foundation

- **-48V DC rectification** with hybrid supercapacitor technology for instantaneous power delivery.
- **SOFC fuel-cell generation** on readily available natural gas or propane
- **Integrated monitoring, distribution and protection**, backed by AMT pre- and post-sale services.
- **Maintenance-free and efficient**, with significantly higher fuel efficiency than generator-based backup.

Flexible, building-free installation

Optical broadband cabinets support above- or below-grade installations, with optional flush-grade underground vaults and extractable 19-inch racks. The fuel cell and its fuel supply always remain above ground, connected by a protected DC pathway.

WHY CUSTOMERS BENEFIT

Keep the edge running for up to a week* without utility power, and simplify outside-plant deployment without hub buildings. Add AMT EdgeVault when the site needs optical transport.

*Target outcomes, up to a week of autonomy power, five-nines availability, extended ambient operation and TCO savings, require configuration-specific engineering and validation.

Size PowerNode for your sites.

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