



Mesh Leaf Dual

Wireless load-management leaf node · one per managed stall

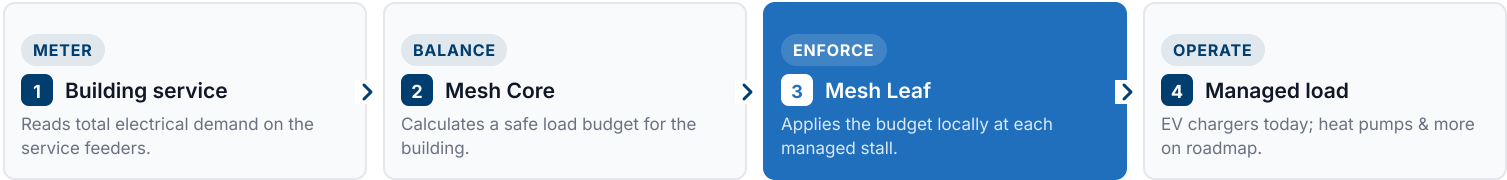
The Mesh Leaf Dual installs between the unit breaker panel and the managed loads — typically a Level 2 EV charger and a heat pump. It monitors the local feeder, receives current limits by mesh radio from the upstream Mesh Core, and enforces them locally so total building load stays inside the approved envelope. The resident's equipment operates normally.

✓ **Fail-safe by design**
Throttles to a safe current if radio drops.

✓ **No internet required**
Local mesh radio to the Core — no Wi-Fi or cellular.

✓ **Flexible-load ready**
EV chargers today; heat pumps and other loads next.

SYSTEM ARCHITECTURE



KEY FEATURES

- ✓ Monitors **120/240 V or 120/208 V** at the unit panel
- ✓ Two contactor outputs (or optional relay control for LV control)
- ✓ Long-range mesh radio to the upstream Mesh Core
- ✓ Surface or recess mount, knock-outs on every face
- ✓ Compact **10" × 8" × 4"** enclosure
- ✓ Two **200 A split-core CTs** included, 6.0 m leads
- ✓ Supports up to **50 A resistive / 40 A inductive loads**, 208/240 V
- ✓ 3φ CT option available for multi-phase service
- ✓ CSA SPE-1000 approved · designed and built in BC

SPECIFICATIONS

System	EVEMS leaf node · multi-load capable
Feeder voltage	120/240 V or 120/208 V, 1φ (3φ CT option)
Current sensors	Two 200 A split-core CTs, 6.0 m leads
Load feed	208 V or 240 V hardwired, max 50 A circuit
Safety threshold	Throttles on Core command when a point exceeds 80%
Comms	Long-range mesh radio — no internet required
Enclosure	10"H × 8"W × 4"D
Mounting	Surface or recess at the unit panel
Certifications	CSA SPE-1000 · Technical Safety BC
Origin	Designed and manufactured in Canada

WHAT YOU CAN COUNT ON

- **FAIL-SAFE BY DESIGN**
If radio communication with the Core is lost, the Leaf falls back to a conservative configured current — never an unmanaged full-rate draw. CT readings are verified locally before the downstream load circuit is released.
- **YOU OWN THE HARDWARE**
No monthly fees. No per-charge fees. No subscription contracts. 1-year parts & labour warranty, extended options available.

DESIGNED AND BUILT IN BC · COMPLIANT WITH

SPE-1000 TO SPE-343-21

ELECTRICAL SAFETY AUTHORITY

MEMBER FIRM

Power smart | Alliance Member
UTILITY PARTNER