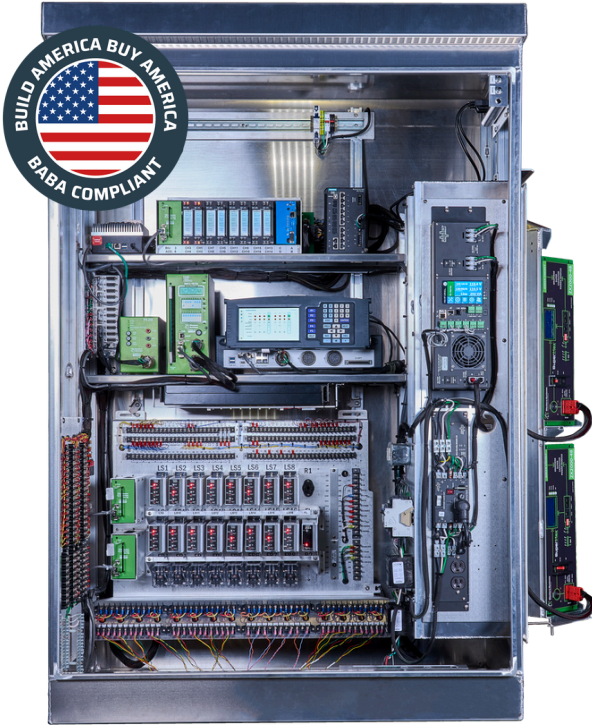




SuperMax™
BY WESTERN SYSTEMS

P-PLUS SuperMax

with Integrated Graphene Supercapacitor Backup



The P-PLUS SuperMax

Traffic cabinet is Western Systems' unique next-generation traffic signal cabinet featuring an integrated SuperMax™ graphene supercapacitor backup system.

Designed for new traffic signal installations and system modernization projects, it combines a compact cabinet footprint, integrated backup power, and modular shelf architecture to deliver reliable intersection operation during power outages.

Why Agencies Choose P-PLUS SuperMax?

- ✓ **Compact Integrated Design.** Integrated backup power. No additional cabinet required. Compact footprint.
- ✓ **Modular Shelf Architecture.** Purpose-built shelf system. Simplified maintenance. Easy future expansion.
- ✓ **Advanced Backup Technology.** Graphene supercapacitor technology. Up to 30-year service life. Minimal maintenance is required.
- ✓ **P-PLUS CABINET. BUILT FOR U.S. TRANSPORTATION.** Made in the USA. BABA compliant. NEMA TS1 & TS2 compatible.





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SUPERMAX BENEFITS



LONGER SERVICE LIFE

Up to **30 years** of operational life.



MORE CHARGE CYCLES

Up to **200,000** charge/discharge cycles.



HIGH POWER DENSITY

Excellent performance during high-load events while maintaining a compact footprint.



MODULAR BY DESIGN

Shelf-mounted modules make expansion, redundancy, and servicing simple



EXTREME TEMPERATURE PERFORMANCE

Reliable operation from **-40°C to +60°C.**



BUILT TO LAST

Zero-clearance installation. No cooling or heating required.



MINIMAL MAINTENANCE

No battery replacement schedules. No electrolyte maintenance. Reduced lifecycle costs.



EASY SYSTEM MONITORING

LCD Status Display.
State of Charge.
Remaining Capacity.
Cell Monitoring.

FEATURES

CABINET	SUPERMAX SYSTEM
✓ BABA Compliant	✓ Up to 30-Year Service Life
✓ NEMA TS1 & TS2	✓ Up to 200,000 Charge Cycles
✓ Integrated Backup Compartment	✓ Zero Routine Maintenance
✓ Generator Connection Without Opening Main Compartment	✓ Zero-Clearance Installation
✓ Side Access for Backup Equipment	✓ No Cooling or Heating Required
✓ Multiple Cabinet Sizes (M36, P, Stretched-P, R)	✓ Modular Shelf Architecture
✓ Proudly Made in US	

BUILT FOR NEW INSTALLATIONS AND RETROFITS

Designed with a modular architecture, P-PLUS SuperMax supports both new installations and easy upgrades. Existing P-PLUS cabinets with battery backup can be retrofitted with SuperMax, adding long-life backup power without replacing the cabinet.

Contact us today to explore the benefits of P-PLUS SuperMax for your agency and community.

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