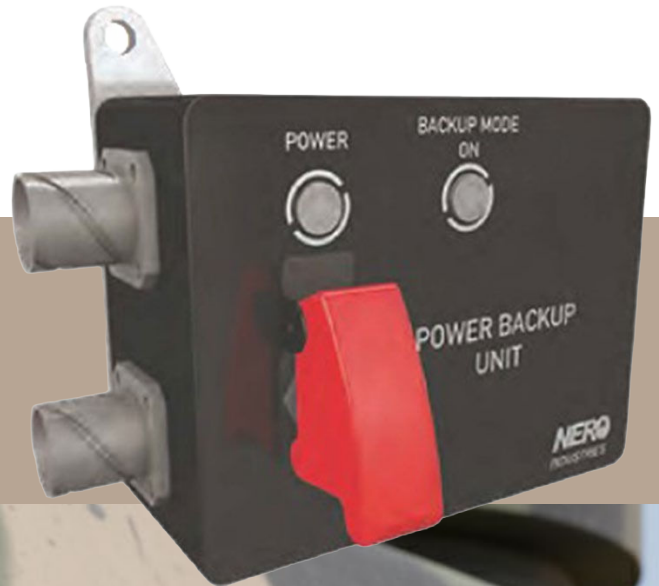


**“Sustaining Safety When
the Main Power Fails.”**

BACK-UP POWER UNIT



BACK-UP POWER UNIT

The Backup Power Unit (BPU) is a robust and highly reliable auxiliary power source designed to ensure uninterrupted operation of the vehicle's fire extinguishing system after the main power supply has been shut down.

Engineered to meet the demanding requirements of modern defense and industrial vehicles, the BPU provides continuous backup power for 2 to 8 hours, safeguarding mission-critical safety systems under all operational conditions.

A dedicated maintenance toggle switch allows for manual disconnection of the unit during scheduled maintenance, system component replacement, battery boosting, or welding tasks — offering maximum operational flexibility and safety.

Technical Specifications

Parameter	Specification
Emergency Power Backup	Provides continuous backup for the fire extinguishing system (2–8 hours after main shutdown)
Power Consumption	15 mA @ 24VDC
Power Supply	150 mA during 2 hours of operation at room temperature
Operating Voltage	16–32 VDC
Operating Temperature	–40°C to +71°C
Weight	620 ± 50 g
Dimensions (L × W × H)	115 × 60 × 114 mm (±0.5 mm)
MTBF (Mean Time Between Failures)	120,000 hours
Ingress Protection	IP67 – Fully protected against dust and temporary immersion in water
Salt Fog Resistance	800 hours
Adapter	Standard 120W adapter
Certifications	MIL-STD-810H, MIL-STD-461G, MIL-STD compliant; 1275E UL; CE; GOST-R
Color Options	RAL 300 (Red), RAL 6019 (Green), FS 33245, RAL 9010 (White)

Built with military-grade components and rigorously tested in accordance with MIL-STD-810H and MIL-STD-461G, the Backup Power Unit is IP67-rated, resistant to dust, moisture, and corrosion. Its 120,000-hour MTBF guarantees exceptional reliability even in extreme temperatures ranging from –40°C to +71°C.

Compact, durable, and compliant with international standards such as CE, UL 1275E, and GOST-R, the BPU represents advanced reliability for armored, tactical, and special-purpose vehicles where dependable performance is mission-critical.

