

AUXILIARY POWER SYSTEM

High-capacity Auxiliary Power System built specifically for commercial vehicles, delivering clean, reliable energy without idling your engine or running a generator.



AUTOMOTIVE-GRADE ENGINEERING FOR SAFETY.



Built to rigorous EV industry standards, our proprietary battery design using Panasonic cells provides safe, high-power performance within a smaller footprint.

INTELLIGENT POWER MANAGEMENT.



Harbinger's proprietary Auxiliary Power System intelligently manages the high voltage batteries and supplies energy to the 12V battery so that your equipment is reliably powered.

ACTIVE THERMAL MANAGEMENT.



Active liquid thermal management for cooling and heating ensures full power output from 0°F to 122°F (-18°C to 50°C), conditioning the system to suit your working environment.

BUILT FOR WORK.



A rugged die-cast aluminum enclosure houses the battery and power electronics for maximum protection. IP6K9K rated to withstand vibration, moisture, and dust, keeping critical systems secure in demanding environments.



AUXILIARY POWER SYSTEM FEATURES AND SPECIFICATIONS.

Energy & Performance

Total Energy	18.3 kWh
Usable Energy	16 kWh
Nominal Voltage Range	240–400V
Usable Voltage Range	260–400V
AC Peak Output Power	6 kW
AC Continuous Power	6 kW
Low Voltage DC-DC (Continuous)	1 kW (9–16V Output)
Operating Temperature Range	0°F to 122°F / -18°C to 50°C
Cell Chemistry	Li-NCMA

Charging & Output

Plug into any 110–240V outlet with a 15A, 30A, or 50A connection

AC Output Voltage	110–240V
Charge Time (240V / 50 A)	1 Hour 20 Minutes (0–100% SOC)
Charge Time (120V / 30 A)	4 Hours 25 Minutes (0–100% SOC)
Solar Charging	Compatible with most kits up to 960 W
Efficiency (AC/DC & DC/AC)	≥ 94.5% & > 92% at full load, respectively

Thermal System

Coolant	50/50 Water-Ethylene Glycol
Mounting Requirements	Remote mounted cooling system

Physical & Safety

Enclosure Unit Dimensions (L x W x H)	36.3 × 27.6 × 10.2 in / 921 × 702 × 259 mm
Thermal System Dimensions (L x W x H)	22.4 × 6.9 × 14.9 in / 570 × 174 × 378 mm
Mass	342 lbs / 160 kg
Battery Safety	Tested in accordance with UN 38.3, SAE J2929, and SAE J2380
Ingress Protection	IP6K9K
Corrosion Resistance	Tested in accordance with GMW 14872 and ASTM B117 (10 years)

