



Reliable 12V Mobile AC Power for Work Trucks, Fleets, RVs, & Off-Grid Applications

Vanair® EPEQ® Inverters convert 12VDC battery power into clean, reliable 120V pure sine wave AC power — safe for sensitive electronics and strong enough for demanding motor loads. Built for professional mobile environments, the EPEQ® Electrified Power Equipment® lineup delivers dependable performance, advanced safety protection, and compact designs that install easily in service vehicles, RVs, trailers, and off-grid systems.

One Line. Three Power Levels.

Choose the right inverter based on your load requirements — without sacrificing power quality or safety.

- EPEQ® INVERTER1000 – Compact, lightweight solution for light-duty mobile power
- EPEQ® INVERTER2000 – Balanced power with shore power transfer for work trucks and RVs
- EPEQ® INVERTER3000 – High capacity inverter for demanding fleet and multi-tool applications with shore power transfer

Typical Applications

- EPEQ® INVERTER1000 – Chargers, laptops, test equipment, small power tools
- EPEQ® INVERTER2000 – Service vehicles, RVs, mobile workstations, moderate motor loads
- EPEQ® INVERTER3000 – Fleet trucks, multiple tools, compressors, high-demand mobile systems

Why Pure Sine Wave Matters

- Protects sensitive electronics and digital controls
- Low power consumption
- Improves efficiency and extends equipment life

Shared Features Across All Models

- Pure sine wave output
- Dual GFCI AC outlets
- Built-in 5V USB charging port
- Heavy-duty DC terminals
- Thermally activated cooling fans
- Overload, short-circuit, and thermal protection
- 12VDC input / 120VAC output
- 1-year warranty



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EPEQ® Advantage

When reliability matters, EPEQ® Inverters deliver clean power, robust protection, and professional-grade performance — wherever the job takes you. **Power smarter. Power longer. Power anywhere.**



EPEQ® 12V Inverters Specifications & Comparison

Model Comparison Chart (12V / 120VAC)

All EPEQ® inverters share premium power quality and protection; higher-wattage models add shore power transfer, hardwire capability, and advanced system control.

Specification	1000W	2000W	3000W
Input Voltage	12VDC	12VDC	12VDC
Output Voltage	120VAC, 60Hz	120VAC, 60Hz	120VAC, 60Hz
Continuous Power	1,000W (8.3A)	2,000 W (16.7A)	3,000W (25.0A)
Surge Power	2,000W (16.6A)	4,000 W (33.3A)	6,000W (50.0A)
Output Waveform	Pure sine wave (<3% THD)	Pure sine wave	Pure sine wave
Automatic Transfer Switch	—	30A	30A
Shore Power Switching	—	✓	✓
USB Charging Port	✓	✓	✓
GFCI Outlets	Dual	Dual	Dual
Digital Display	Integrated display	Detachable remote display	Detachable remote display
Remote Switch Capable	✓	✓	✓
Cooling System	Load / thermal activated fans	Thermally activated fans	Thermally activated fans
Heavy-Duty DC Terminals	✓	✓	✓

Protection Features Comparison (12V / 120VAC)

Specification	1000W	2000W	3000W
Overload Protection	Overload shutdown	Overload shutdown	Overload shutdown
Short Circuit Protection	✓	✓	✓
Over Voltage / High Voltage	Over voltage shutdown at 15.5 VDC	High voltage shutdown at 15.5VDC	High voltage shutdown at 15.5VDC
Under Voltage / Low Voltage Alarm	11.2VDC	11.0 / 12.1VDC (dual thresholds)*	11.0 / 12.1VDC (dual thresholds)*
Under Voltage / Low Voltage Shutdown	10.5VDC	10.5 / 11.8VDC (application dependent)*	10.5 / 11.8VDC (application dependent)*
Low Voltage Recovery	—	12.0 or 12.6VDC	12.0 or 12.6VDC
Thermal (Over Temp) Protection	✓	✓	✓
Cooling Behavior	Load / thermally activated fans	Thermally activated fans	Thermally activated fans
Audible Alarm + Error Codes	✓	—	—