

# PowerVerter APS Inverter/Charger - Reliable Power Source for Uninterruptible Emergency Backup Applications

MODEL NUMBER: **APS1524**

## Description

Tripp Lite's APS1524 3-function DC-to-AC inverter with auto line-to-battery transfer and integrated charging system serves as an extended run UPS, a standalone power source or an automotive inverter. PowerVerter APS Inverters accommodate "peak surge" demands by delivering more output power than their continuous rating. PowerVerter APS Inverters supply up to double their output to easily handle equipment start up and motor cycling requirements. A DoubleBoost feature provides up to 200% of the continuous output for up to 10 seconds, providing the extra power needed to cold start heavy-duty tools and equipment. An OverPower feature delivers up to 150% of the continuous output for up to 1 hour. When hardwire input AC cable is energized, commercial power passes through to connected equipment and the battery set is recharged via 3 stage, 10/30 amp selectable charging system. In UPS mode, the APS system responds to blackouts and brownouts with an uninterrupted transfer to battery-derived AC output. Includes a set of high current DC input terminals for simple installation (user supplies batteries and cabling). Reliable large transformer design with efficient PWM sine wave output and frequency control powers resistive electronic loads or large inductive motors, compressors and other items with high current needs on startup. Supports an unlimited amount of runtime with any number of user-supplied batteries connected. Highly adaptable to a variety of applications and site conditions with adjustable charger settings for wet/gel battery types and selectable line to battery power transfer voltages.

## Features

- Functions as an extended run UPS system, standalone power source and automotive inverter
- Includes hardwire AC input and auto-transfer to enable battery charging and automatic UPS support for blackouts and brownouts
- 1500 watts continuous output power; 2250 watts power for up to an hour; 3000 watts peak power for up to 10 seconds
- Battery runtime is dependent upon the size and number of user-supplied batteries in 24V configuration
- Hardwire input and output connections supported, DC input terminals for 24V battery connection
- Converts 24V DC to 120V AC
- Frequency control for operating stability
- Advanced 10/30 amp selectable, 3-stage battery charger and selector switch for gel or wet cell batteries
- Resettable circuit breaker protects APS against system overload
- Switch allows user to select between off, auto-invert and charge-only settings
- 6 diagnostic LEDs indicate AC present, on battery, overload, & battery voltage level (high, medium, & low)
- Configuration switches to allow the user to select the high and low voltage for the unit to automatically transfer from AC power to battery backup
- Coated internal circuit boards offer continuous operation in humid environments (0-95%, non condensing)
- RJ45 port allows connection of APS remote switch (part# APSRM4)
- Allows unlimited runtime capability by allowing the use any number of user-supplied batteries

## Highlights

- 24V DC input; 120V AC output
- Hardwired
- 1500 watts continuous output
- 3000 watts peak output for an extended period
- Advanced battery charger
- Fast load switching with less transfer time

## Package Includes

- APS1524 Inverter/Charger
- Instruction manual with warranty information





**Tripp Lite**  
1111 W. 35th Street  
Chicago, IL 60609 USA  
Telephone: 773.869.1234  
[www.tripplite.com](http://www.tripplite.com)

Cooling Method	Fan
Form Factors Supported	Mounting slots enable permanent placement of inverter on any horizontal surface (see manual for additional mounting information)
Material of Construction	Polycarbonate
Shipping Dimensions (hwd / cm)	34.29 x 38.10 x 54.61
Shipping Dimensions (hwd / in.)	13.50 x 15.00 x 21.50
Shipping Weight (kg)	12.25
Shipping Weight (lbs.)	27.00
Unit Dimensions (hwd / cm)	18.4 x 21.6 x 40.6
Unit Dimensions (hwd / in.)	7.25 x 8.5 x 16
Unit Weight (kg)	12.07
Unit Weight (lbs.)	26.6
<b>ENVIRONMENTAL</b>	
Relative Humidity	0-95% non-condensing
<b>LINE / BATTERY TRANSFER</b>	
Transfer Time (Line Power to Battery Mode)	4-6 milliseconds
Low Voltage Transfer to Battery Power	User configurable to 75V, 85V, 95V & 105V
High Voltage Transfer to Battery Power	User configurable to 135V, 145V
<b>SPECIAL FEATURES</b>	
Load Sensing	Optional load sense function enables automatic inverter shutoff and startup as connected equipment is powered off and on. Front panel load sense potentiometer can be set to shutoff or turn on inverter power in response to loads of any level, up to 150 watts.
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	1-year limited warranty

© 2020 Tripp Lite. All rights reserved. All product and company names are trademarks or registered trademarks of their respective holders. Use of them does not imply any affiliation with or endorsement by them. Tripp Lite has a policy of continuous improvement. Specifications are subject to change without notice. Tripp Lite uses primary and third-party agencies to test its products for compliance with standards. See a list of Tripp Lite's testing agencies: <https://www.tripplite.com/products/product-certification-agencies>