



Tripp Lite
1111 W. 35th Street
Chicago, IL 60609 USA
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PowerVerter APS Inverter/Charger - Reliable Alternate Power Source

MODEL NUMBER: **APS612**

Description

Tripp Lite's APS612 3-function DC-to-AC inverter with automatic line-to-battery transfer and integrated charging system serves as an extended run UPS, a standalone power source or an automotive inverter. Supplies up to 600 watts of continuous 120V AC power to 2 AC outlets from any 12V battery or automotive DC source. When AC cable is connected to a live wall socket, commercial power passes through to connected equipment and the battery set is recharged via 3 stage, 20 amp 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 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. PowerVerter APS Inverters accommodate "peak surge" demands by delivering more output power than their continuous rating. Compare the "Continuous" and "Peak Surge" wattage ratings, and you'll find PowerVerter Plus 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.

Features

- 600 watts continuous output power; provides up to twice this rating for momentary startup of inductive loads
- 2 outlets; 6 ft. AC power cord; DC input terminals for 12V battery connection
- Converts 12V DC to 120V AC
- Frequency control for operating stability
- Coated internal circuit boards offer continuous operation in humid environments (0-95%, non-condensing)
- Advanced 18 amp, 3-stage battery charger and selector switch for gel or wet cell batteries
- 6 diagnostic LEDs indicate AC present, on battery, overload & battery voltage level (high, medium & low)
- Functions as an extended run UPS system, standalone power source and automotive inverter
- Battery runtime is dependent upon the size and number of user-supplied 12-volt batteries used
- Includes AC input cord and auto-transfer to enable battery charging and automatic UPS support for blackouts & brownouts
- RJ45 port allows connection of APS/PowerVerter Remote Switch (manuf# APSRM4)
- Switch allows user to select between off, auto-invert and charge-only settings
- 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
- Resettable circuit breaker protects APS against system overload

Specifications

Highlights

- 12V DC input; 120V AC output; 2 outlets
- 600 watts continuous output
- 1200 watts peak output for an extended period
- 3-stage, built-in battery charger
- Fast load switching with millisecond transfer time

Package Includes

- APS612 Inverter/Charger
- Instruction manual with warranty information

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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)	31.75 x 35.56 x 26.67
Shipping Dimensions (hwd / in.)	12.50 x 14.00 x 10.50
Shipping Weight (kg)	8.16
Shipping Weight (lbs.)	18.00
Unit Dimensions (hwd / cm)	17.8 x 22.2 x 19.7
Unit Dimensions (hwd / in.)	7 x 8.75 x 7.75
Unit Weight (kg)	7.26
Unit Weight (lbs.)	16
ENVIRONMENTAL	
Relative Humidity	0-95% non-condensing
LINE / BATTERY TRANSFER	
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
WARRANTY	
Product Warranty Period (Worldwide)	1-year limited warranty

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