

PowerVerter APS Inverter/Charger 1000W - Reliable Power Source for Uninterruptible Emergency Backup Applications

MODEL NUMBER: **APS1012**

Description

Tripp Lite's APS1012 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. Supplies up to 1000 watts of continuous 120V AC power to 2 AC outlets from any 12V battery or automotive DC source.

PowerVerter APS Inverter chargers 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 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, 14/55 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 AC input cord and auto-transfer to enable battery charging and automatic UPS support for blackouts and brownouts
- 1000 watts continuous output power; 2000 watts power for up to 10 seconds; 1500 watts power for up to an hour
- Battery runtime is dependent upon the size and number of user-supplied 12-volt batteries used
- 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
- Advanced 14/55 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/PowerVerter Remote Switch (manuf# APSRM4)

Highlights

- 12V DC input; 120V AC output
- 2 outlets
- 1000 watts continuous output
- 2000 watts peak output for extended period
- Advanced battery charger
- Fast load switching with less transfer time

Package Includes

- APS1012 Inverter/Charger
- Instruction manual with warranty information

Specifications

OVERVIEW

PHYSICAL	
Material of Construction	Polycarbonate
Cooling Method	Fan
Form Factors Supported	Mounting slots enable permanent placement of inverter on any horizontal surface (see manual for additional mounting information)
Shipping Dimensions (hwd / in.)	13.50 x 15.00 x 21.50
Shipping Dimensions (hwd / cm)	34.29 x 38.10 x 54.61
Shipping Weight (lbs.)	31.40
Shipping Weight (kg)	14.24
Unit Dimensions (hwd / in.)	7.250 x 8.500 x 16.250
Unit Dimensions (hwd / cm)	18.4 x 21.6 x 41.3
Unit Weight (lbs.)	26.8
Unit Weight (kg)	12.16
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
FEATURES & SPECIFICATIONS	
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.
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	1-year limited warranty