



Tripp Lite
 1111 West 35th Street
 Chicago, IL 60609 USA
 Telephone: +(773) 869 1234
 E-mail: saleshelp@tripplite.com

Model #: APS1012SW

120V, 1000W PowerVerter APS Inverter/Charger with Pure Sine Wave Output

Highlights



- 12V DC or 120V AC input; 120V, 60 Hz output (hardwired)
- 1000 watts continuous output, 2000 watts peak output
- Selectable 4/40 amp wet/dry cell battery charger
- Pure sine wave output
- Quiet, high efficiency operation, high surge capacity and low idle current
- Seamless transfer switching

Description

Tripp Lite's APS1012SW 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. When the AC cable is connected to a live wall socket, utility power passes through to connected equipment and the battery set is recharged via 3 stage, 4/40 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 sine wave output and frequency control powers resistive electronic loads or large inductive motors, compressors and other items with high current needs on start-up. Supports an unlimited amount of runtime with any number of user-supplied batteries. Highly adaptable to a variety of applications and site conditions.

Applications

Versatile inverter/charger system with seamless transfer switching serves as an automotive inverter for RVs, over-the road trucking, conversion vans and fleet service vehicles; a standalone alternative power source for off-grid, alternative energy or export applications and as an uninterruptible power supply (UPS) for items compatible with a 10 millisecond transfer time.

Package Includes

- APS1012SW inverter/charger
- Instruction manual with warranty information

Features

- Pure sine wave output
- Continuous output inverter and high power battery charger
- Quiet, high efficiency operation, high surge capacity and low idle current
- Supply energy to various loads such as resistive load
- Seamless transfer switching
- Load sensing adjustable
- Unlimited back up time with user supplied batteries

Specifications

OVERVIEW	
Intended Application	Emergency Backup Power
OUTPUT	

Frequency compatibility	50 / 60 Hz
Output watts	1000
Continuous output capacity (watts)	1000
Peak output capacity (watts)	2000
Output nominal voltage	120V
Output voltage regulation	LINE POWER (AC): Maintains 120V nominal sine wave output. INVERTER POWER (AC): Maintains sine wave output voltage of 120-150VAC (+/-5%). DC CHARGER OUTPUT (See battery recharge rate section)
Output frequency regulation	60 Hz (+/- 0.3 Hz)
Overload protection	Includes 15A input breaker dedicated to the charging system and 15A output breaker for AC output loads
Outlet quantity / type	Hardwire
INPUT	
Nominal Input Voltage(s) Supported	120V AC
Recommended Electrical Service	DC INPUT: Requires 12VDC input source capable of delivering 120A for the required duration (when used at full continuous capacity). For automotive applications, professional hardwire installation with 225A minimum battery system fusing is recommended.
Maximum input amps / watts	DC INPUT: Full continuous load - 120A at 12VDC. AC INPUT: 15 amps at 120VAC with full inverter and charger load.
Input connection type	DC INPUT: Set of 2 DC bolt-down terminals. AC INPUT: Hardwire
Voltage compatibility (VAC)	120
Voltage compatibility (VDC)	12
BATTERY	
Expandable battery runtime	Runtime is expandable with any number of user supplied wet or gel type batteries
DC system voltage (VDC)	12
Battery charge	Includes 4/40 amp DC charging system with selectable profiles for vented wet cell and sealed gel cell batteries.
LEDS ALARMS & SWITCHES	
Alarms	Audible status indicators
Switches	The inverter provides a RJ-45 port for optional APSRMSW remote control. RJ45 port operates with standard RJ485 interface (APSRMSW sold separately)
Front panel LEDs	Set of front panel LED's display inverter status, charger status, as well as battery voltage status
PHYSICAL	
Unit Dimensions (HWD/in)	7.25 x 8.75 x 18
Unit Dimensions (HWD/cm)	18.41 x 22.22 x 45.72
Unit weight (lbs)	35.5

Unit weight (kg)	16.10
Cooling method	Fan
Material of construction	Powder coated Steel
Form factors supported	Mounting slots enable permanent placement of inverter on any horizontal surface (see manual for additional mounting information)
ENVIRONMENTAL	
Relative Humidity	0-95% non-condensing
SPECIAL FEATURES	
Appearance	gray color
Remote control capability	Yes
WARRANTY	
Product Warranty Period (U.S. & Canada)	2-year limited warranty
Product Warranty Period (International)	2-year limited warranty
Product Warranty Period (Mexico)	2-year limited warranty
Product Warranty Period (Puerto Rico)	1-year limited warranty

Related Items

Optional Products

Related Model	Description	Qty.
APSRMSW	Inverter Remote Control Module for Tripp Lite Pure Sine Wave Inverter/Chargers	1

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=4853.

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