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## Model #: APS2012SW

### 120V, 2000W PowerVerter APS Inverter/Charger with Pure Sine Wave Output

#### Highlights



- 12V DC or 120V AC input; 120V, 50/60 Hz output (hardwired)
- 2000 watts continuous output, 4000 watts peak output
- Selectable 6/60 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

Provide Pure Sine Wave power in your fleet vehicle, work truck or utility vehicle with the Tripp Lite APS2012SW. This inverter/charger supplies 2000 watts of continuous 120V AC power. The reliable large transformer design and frequency control powers resistive loads such as refrigerators, motors, pumps, compressors and laser printers as well as electronic loads like TV's, Computers, power tool and battery chargers. The 3-stage charging system will properly charge and maintain your vehicle battery or separate battery bank. The charge rate is selectable so you can use a variety of battery sizes as well as multiple batteries to fit your run time requirements.

#### Applications

- Versatile inverter/charger system with seamless transfer switching serves as an automotive inverter for 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 8-12 millisecond transfer time.

#### Package Includes

- APS2012SW 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

<b>OVERVIEW</b>	
<b>Intended Application</b>	Emergency Home Power, Auxillary Vehicle power, UPS backup
<b>OUTPUT</b>	

<b>Frequency compatibility</b>	50 / 60 Hz
<b>Output watts</b>	2000
<b>Continuous output capacity (watts)</b>	2000
<b>Peak output capacity (watts)</b>	4000
<b>Output nominal voltage</b>	120V
<b>Output voltage regulation</b>	LINE POWER (AC): Maintains 120V nominal sine wave output from line power source. INVERTER POWER (AC): Maintains sine wave output voltage of 120 VAC (+/-5%).
<b>Output frequency regulation</b>	50/60 Hz (+/- 0.3 Hz)
<b>Overload protection</b>	Includes 15A input breaker dedicated to the charging system and 15A output breaker for AC output loads
<b>Outlet quantity / type</b>	Hardwire
<b>INPUT</b>	
<b>Nominal Input Voltage(s) Supported</b>	120V AC
<b>Recommended Electrical Service</b>	DC INPUT: Requires 12VDC input source capable of delivering 250A for the required duration (when used at full continuous capacity - DC requirements increase during OverPower and DoubleBoost operation). For automotive applications, professional hardwire installation with 400A minimum battery system fusing is recommended.
<b>Maximum input amps / watts</b>	DC INPUT: Full continuous load - 250A at 12VDC. AC INPUT: 27 amps at 120VAC with full inverter and charger load (8.7A max charger-only / combined input load to support charger and AC output is automatically controllable to 66%-33%-0% based on AC output loading using the charger limiting set points - see manual for setting instructions)
<b>Input connection type</b>	DC INPUT: Set of 2 DC bolt-down terminals. AC INPUT: Hardwire via built in junction box with cover plate
<b>Voltage compatibility (VAC)</b>	120
<b>Voltage compatibility (VDC)</b>	12
<b>BATTERY</b>	
<b>Expandable battery runtime</b>	Runtime is expandable with any number of user supplied wet or gel type batteries
<b>DC system voltage (VDC)</b>	12
<b>Battery Pack Accessory (optional)</b>	<a href="#">98-121</a> sealed lead acid battery (optional)
<b>Battery charge</b>	Selectable 6 to 60 amp
<b>VOLTAGE REGULATION</b>	
<b>Overvoltage correction</b>	Overvoltage transfer point - 135V (+/- 3%)
<b>Brownout correction</b>	Brownout transfer point - 85V (+/- 3%)
<b>LEDS ALARMS &amp; SWITCHES</b>	
<b>Alarms</b>	Audible Status indicators (see manual)

<b>Switches</b>	The inverter provides an RJ-45 port for optional <a href="#">APSRMSW</a> remote control. RJ-45 port operates with standard RS-485 interface (APSRMSW sold separately)
<b>Front panel LEDs</b>	Display inverter status, charger status as well as battery voltage status
<b>PHYSICAL</b>	
<b>Shipping weight (lbs)</b>	55.6
<b>Shipping weight (kg)</b>	25.22
<b>Unit Dimensions (HWD/in)</b>	7.25 x 8.75 x 21.75
<b>Unit Dimensions (HWD/cm)</b>	18.41 x 22.22 x 55.24
<b>Unit weight (lbs)</b>	49.5
<b>Unit weight (kg)</b>	22.45
<b>Cooling method</b>	Multi-speed fan
<b>Material of construction</b>	Powder coated steel
<b>Receptacle Color</b>	Gray
<b>Style</b>	Heavy-duty with built-in battery charger
<b>Form factors supported</b>	Mounting slots enable permanent placement of inverter on any horizontal surface (see manual for additional mounting information)
<b>ENVIRONMENTAL</b>	
<b>Relative Humidity</b>	0-95% non-condensing
<b>Operating Elevation (ft.)</b>	0-1500 meters -20 - +40 degrees C 1501-3000 meters -20 - +35 degrees C
<b>Operating Elevation (m)</b>	0-1500 meters -20 - +40 degrees C 1501-3000 meters -20 - +35 degrees C
<b>LINE / BATTERY TRANSFER</b>	
<b>Transfer time from line power to battery mode</b>	8-12 milliseconds
<b>Low voltage transfer to battery power</b>	In AC "auto" mode, inverter/charger switches to battery mode as line voltage drops to 144V (user adjustable to 163, 182, 201V - see manual)
<b>High voltage transfer to battery power</b>	In AC "auto" mode, inverter/charger switches to battery mode as line voltage increases to 259V (user adjustable to 264 - see manual)
<b>SPECIAL FEATURES</b>	
<b>Appearance</b>	gray color
<b>Remote control capability</b>	Yes
<b>WARRANTY</b>	
<b>Product Warranty Period (U.S. &amp; Canada)</b>	2-year limited warranty

<b>Product Warranty Period (International)</b>	2-year limited warranty
<b>Product Warranty Period (Mexico)</b>	2-year limited warranty
<b>Product Warranty Period (Puerto Rico)</b>	1-year limited warranty

## Related Items

### Optional Products

Related Model	Description	Qty.
<a href="#">APSRMSW</a>	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=5019](http://www.tripplite.com/en/products/model.cfm?txtModelID=5019).

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