

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

MODEL NUMBER: **APS2012SW**



### Description

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

NOTE: To protect against high current draw that may occur during inverter failure, a fuse link rated at 400a should be positioned no more than 18" from the APS2012SW's battery in the positive line.

### 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

### 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

### 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

## Specifications

General Info	
Product Group	POWER INVERTERS



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OVERVIEW	
Intended Application	Emergency Home Power, Auxillary Vehicle power, UPS backup
OUTPUT	
Frequency Compatibility	50 / 60 Hz
Output (Watts)	2000
Continuous Output Capacity (Watts)	2000
Peak Output Capacity (Watts)	4000
Output Nominal Voltage	120V
Output Voltage Regulation	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%).
Output Frequency Regulation	50/60 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 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.
Maximum Input Amps / Watts	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)
Input Connection Type	DC INPUT: Set of 2 DC bolt-down terminals. AC INPUT: Hardwire via built in junction box with cover plate
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 Pack Accessory (Optional)	98-121 sealed lead acid battery (optional)
Battery Charge	Selectable 6 to 60 amp
VOLTAGE REGULATION	
Overvoltage Correction	Overvoltage transfer point - 135V (+/- 3%)
Brownout Correction	Brownout transfer point - 85V (+/- 3%)
LEDS ALARMS & SWITCHES	



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Audible Alarm	Audible Status indicators (see manual)
Switches	The inverter provides an RJ-45 port for optional APSRMSW remote control. RJ-45 port operates with standard RS-485 interface (APSRMSW sold separately)
Front Panel LEDs	Display inverter status, charger status as well as battery voltage status
<b>PHYSICAL</b>	
Shipping Weight (lbs.)	55.6
Shipping Weight (kg)	25.22
Unit Dimensions (hwd / in.)	7.25 x 8.75 x 21.75
Unit Dimensions (hwd / cm)	18.41 x 22.22 x 55.24
Unit Weight (lbs.)	49.5
Unit Weight (kg)	22.45
Cooling Method	Multi-speed fan
Material of Construction	Powder coated steel
Receptacle Color	Gray
Style	Heavy-duty with built-in battery charger
Form Factors Supported	Mounting slots enable permanent placement of inverter on any horizontal surface (see manual for additional mounting information)
<b>ENVIRONMENTAL</b>	
Relative Humidity	0-95% non-condensing
Operating Elevation (ft.)	0-1500 meters -20 - +40 degrees C 1501-3000 meters -20 - +35 degrees C
Operating Elevation (m)	0-1500 meters -20 - +40 degrees C 1501-3000 meters -20 - +35 degrees C
<b>LINE / BATTERY TRANSFER</b>	
Transfer Time (Line Power to Battery Mode)	16 milliseconds max
Low Voltage Transfer to Battery Power	In AC "auto" mode, inverter/charger switches to battery mode as line voltage drops to 85V (user adjustable to 95V - see manual)
High Voltage Transfer to Battery Power	In AC "auto" mode, inverter/charger switches to battery mode as line voltage increases to 135V
<b>SPECIAL FEATURES</b>	
Appearance	gray color
Remote Control Capability	Yes
<b>WARRANTY</b>	
Product Warranty Period (U.S. & Canada)	2-year limited warranty



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Product Warranty Period (International)	2-year limited warranty
Product Warranty Period (Mexico)	2-year limited warranty
Product Warranty Period (Puerto Rico)	2-year limited warranty

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