

1000W APS X Series 12VDC 230V Inverter/Charger with Pure Sine-Wave Output, Hardwired

MODEL NUMBER: **APSX1012SW**



Highlights

- Delivers pure sine-wave 230V AC power from AC or DC source
- 1000W continuous output power; 2000W peak power
- Auto-transfer switching option for UPS operation
- Protects against blackouts, surges and EMI/RFI line noise
- Rugged steel housing resists moisture and impact

Package Includes

- APSX1012SW 1000W APS XSeries 12V DC 230V AC Inverter/Charger
- Owner's manual

Portable 1000W power source for power tools, computers, audio/video components and other sensitive electronics as a vehicle inverter, standalone AC power source or extended-run UPS. Ideal for mobile, emergency and remote sites.

Features

Reliable Power for Mobile, Emergency and Remote Sites

- Generates 230V pure sine-wave power from 12V battery bank
- Ideal for powering variable-speed tools, computers, LEDs, fans, audio/video components and other sensitive electronics
- Designed for easy installation in RVs, fleet vehicles and emergency vehicles
- Functions as vehicle inverter, standalone AC power source or extended-run UPS
- Unlimited runtime with variety of user-supplied batteries

Pure Sine-Wave Power for Normal and Peak Power Demands

- 1000W of continuous power
- 2000W of peak power to accommodate surge power demands during equipment startup and cycling
- Automatic overload detector, built-in cooling fan and resettable AC circuit breakers protect unit from damage
- High-current DC input terminals for simple hardwired installation

Automatic Transfer Switching

- Transfer relay switches to inverter power during blackout in 16.6 ms
- DIP switches configure high and low voltage auto-transfer

3-Stage 4/40A Selectable Battery Charger

- Serves as battery charger when external 230V AC power is supplied and powering connected equipment



- Protects battery from overcharging and overdischarging
- Low-battery protection prevents excessive battery depletion
- DIP switches configure wet/gel charging profiles

External Ports

- Battery temperature port allows connection of optional remote battery temperature sensor, such as Tripp Lite's APSSWTEMP
- RJ45 communication port allows connection of optional remote control module, such as Tripp Lite's APSRMSW with 32-ft. (9.75 m) cord

Easy Operation

- LEDs indicate battery voltage, charger and inverter status
- On/off button provides one-touch control

Rugged Steel Housing

- Resists moisture, vibration, impact and high-humidity environments
- Built-in mounting feet for installation on any rigid horizontal surface

Specifications

OVERVIEW	
UPC Code	037332161338
INPUT	
Nominal Input Voltage(s) Supported	220V AC; 230V AC; 240V AC
Nominal Input Voltage Description	170-264V +/- 3%
Maximum Input Amps / Watts	DC INPUT: Full continuous load - 240A at 12VDC. AC INPUT: 17 amps at 230VAC 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)
Recommended Electrical Service	DC INPUT: Requires 12VDC input source capable of delivering 240A 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 200A minimum battery system fusing is recommended.
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)	220-240
Voltage Compatibility (VDC)	12
OUTPUT	
Frequency Compatibility	50 / 60 Hz
Pure Sine Wave Output	Yes
Output (Watts)	1000
Nominal Output Voltage(s) Supported	230V
Output Receptacles	Hardwire



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Transfer Time (Line Power to Battery Mode)	16 ms. maximum
Low Voltage Transfer to Battery Power	170 VAC (+/- 3%) DEFAULT OR 190V +/-3% (user-selectable)
High Voltage Transfer to Battery Power	264 VAC +/- 3%
SPECIAL FEATURES	
Load Sensing	100W
STANDARDS & COMPLIANCE	
Approvals	Tested to EN62040-1 (CE), EN62040-2 (EMC), RoHS
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)	2-year limited warranty

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