

## 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   |
| Nominal Output Voltage(s) Supported | 230V  |
| Output Receptacles                  | Hardwire  |
| Continuous Output Capacity (Watts)  | 1000  |

|  |   |
|--|---|
| Peak Output Capacity (Watts)                 | 2000  |
| Output Voltage Regulation                    | Nominal 230v +/- 5%   |
| Output Frequency Regulation                  | 50/60 Hz (+/- 0.5 Hz)   |
| Overload Protection                          | Includes 7A input breaker dedicated to the charging system and 7A output breaker for AC output loads  |
| <b>BATTERY</b>                               |   |
| Expandable Battery Runtime                   | Runtime is expandable with any number of user supplied wet or gel type batteries  |
| Expandable Runtime                           | Yes   |
| DC System Voltage (VDC)                      | 12  |
| Battery Pack Accessory (Optional)            | <a href="http://www.tripplite.com/12VDC-Sealed-Maintenance-Free-Battery-All-Inverter-Chargers-12VDC-Battery-Connections~98-121">www.tripplite.com/12VDC-Sealed-Maintenance-Free-Battery-All-Inverter-Chargers-12VDC-Battery-Connections~98-121</a> >98-121</a> sealed lead acid battery(optional) |
| Battery Charge                               | Includes selectable 4-40 amp DC charging system.  |
| <b>USER INTERFACE, ALERTS &amp; CONTROLS</b> |   |
| Front Panel LEDs                             | Set of front panel LED's display inverter status, charger status, as well as battery voltage status   |
| Switches                                     | The inverter provides a RJ-45 port for optional APSRMSW remote control. RJ45 port operates with standard RS485 interface (APSRMSW sold separately)  |
| Audible Alarm                                | Audible status indicators 10.5V (low battery)/21V start alarm   |
| <b>PHYSICAL</b>                              |   |
| Material of Construction                     | Powder-Coated Steel   |
| Cooling Method                               | Fan   |
| Form Factors Supported                       | Mounting slots enable permanent placement of inverter on any horizontal surface (see manual for additional mounting information)  |
| Receptacle Color                             | Grey  |
| Shipping Dimensions (hwd / in.)              | 13.00 x 12.60 x 21.47   |
| Shipping Dimensions (hwd / cm)               | 33.02 x 32.00 x 54.53   |
| Shipping Weight (lbs.)                       | 36.37   |
| Shipping Weight (kg)                         | 16.50   |
| Unit Dimensions (hwd / in.)                  | 7.250 x 9.000 x 18.000  |
| Unit Dimensions (hwd / cm)                   | 18.41 x 22.22 x 45.72   |
| Unit Weight (lbs.)                           | 31.5  |
| Unit Weight (kg)                             | 14.29   |
| <b>ENVIRONMENTAL</b>                         |   |
| Relative Humidity                            | 0-95% non-condensing  |
| <b>LINE / BATTERY TRANSFER</b>               |   |

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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%   |
| <b>FEATURES &amp; SPECIFICATIONS</b>       |  |
| Load Sensing                               | 100W   |
| <b>STANDARDS &amp; COMPLIANCE</b>          |  |
| Product Compliance                         | RoHS; CE (Europe)  |
| <b>WARRANTY &amp; SUPPORT</b>              |  |
| 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                                  |