# 2000W APS INT Series 12VDC 230V Inverter/Charger with Auto Transfer Switching, Hardwired

MODEL NUMBER: **APSINT2012**




Portable 2000W power source for any type of equipment from power tools to computers as a vehicle inverter, standalone AC power source or extended-run UPS. Ideal for RVs, over-the-road trucks, fleet vehicles and conversion vans.

## Highlights

- Delivers clean 230V AC power from AC or DC power source
- 2000W continuous output power; 4000W peak power
- Auto-transfer switching option for UPS operation
- Protects against blackouts, surges and EMI/RFI line noise
- Rugged polycarbonate housing resists moisture and impact

## Package Includes

- APSINT2012 2000W APS INT Series 12V DC 230V AC Inverter/Charger
- Owner’s manual

## Description

The APSINT2012 2000W APS INT Series 12V DC 230V AC Inverter/Charger is a reliable power source for a wide variety of equipment ranging from power tools and pumps to portable lighting and computer equipment in heavy-load conditions. With no fumes, fuel or excess noise, it’s an excellent alternative to generator power.

The DC-to-AC inverter features an automatic line-to-battery transfer switch and integrated charging system that allow it to work as a vehicle inverter, standalone AC power source or extended-run UPS. It delivers 2000W of continuous power, 3000W up to one hour, or 4000W of peak power up to 10 seconds during equipment startup or cycling. An automatic overload detector, cooling fan and resettable AC circuit breakers protect the unit from damage.

Designed for easy installation in RVs, over-the-road trucks, fleet vehicles and conversion vans, the APSINT2012 converts stored power from any 12V battery or automotive DC source to safe, stable, computer-grade AC power for unlimited runtime in heavy-load conditions. When powered by an external AC source, the unit keeps the user-supplied battery charged via a three-stage 15/60A selectable charging system while simultaneously delivering AC power to connected equipment.

When used as a UPS, the APSINT2012 responds to blackouts and brownouts with an automatic, instantaneous transfer to battery-derived AC output. LEDs indicate AC/DC operational modes, overload status, DC voltage level, shutdown and system fault.

## Features

**Reliable Power for Mobile, Emergency and Remote Sites**

- Generates safe, stable, computer-grade 230V AC power from 12V battery bank
- Ideal for powering tools, saws, motors, pumps, portable lighting, appliances and computer equipment in heavy-load conditions
- Designed for easy installation in RVs, over-the-road trucks, fleet vehicles and conversion vans
- Functions as a vehicle inverter, standalone AC power source or extended-run UPS
- Unlimited runtime with variety of user-supplied batteries

**Meets Normal and Peak Power Demands**

- 2000W of continuous power

- 3000W of reserve power up to 1 hr.
- 4000W of peak power up to 10 sec. 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 20 ms
- 3-position switch enables Auto, Charge Only or System Off mode
- DIP switches configure high and low voltage auto-transfer

**3-Stage 15/60A 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

**Optional Remote Control Capability**
- RJ45 communication port allows connection of optional remote control module, such as APSRM4

**Front-Panel LEDs**
- Indicate AC/DC operational modes, overload status, DC voltage level, shutdown status and system fault status

**Rugged Polycarbonate Housing**
- Resists moisture, vibration and impact
- Built-in mounting feet for installation on any rigid horizontal surface

# Specifications

| | |
|---|---|
| **OVERVIEW** | |
| UPC Code | 037332090331 |
| **INPUT** | |
| Nominal Input Voltage(s) Supported | 230V AC |
| Maximum Input Amps / Watts | DC INPUT: Full continuous load - 192A 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 192A 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. |
| 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) | 230 |
| Voltage Compatibility (VDC) | 12 |

| | |
|---|---|
| Input Frequency | 50Hz |
| **OUTPUT** | |
| Frequency Compatibility | 50 Hz |
| Pure Sine Wave Output | No |
| Output (Watts) | 2000 |
| Nominal Output Voltage(s) Supported | 230V |
| Output Receptacles | Hardwire |
| Continuous Output Capacity (Watts) | 2000 |
| Peak Output Capacity (Watts) | 4000 |
| Output Voltage Regulation | LINE POWER (AC): Maintains 230V nominal sine wave output from line power source. INVERTER POWER (AC): Maintains PWM sine wave output voltage of 230 VAC (+/-5%). |
| Output Frequency Regulation | 50 Hz (+/- 0.3 Hz) |
| Overload Protection | Includes 10A input breaker dedicated to the charging system and 15A output breaker for AC output loads |
| **BATTERY** | |
| Expandable Runtime | Yes |
| Expandable Battery Runtime | Runtime is expandable with any number of user supplied wet or gel type batteries |
| Expandable Runtime Description | 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 15 / 60A |
| **USER INTERFACE, ALERTS & CONTROLS** | |
| Front Panel LEDs | Set of 6 LEDs offer continuous status information on load percentage (6 levels reported) and battery charge level (7 levels reported). See manual for sequences. |
| Switches | 3 position on/off/remote switch enables simple on/off power control plus "auto/remote" setting that enables distant on/off control of the inverter system when used in conjunction with optional  <a class="productLink" href="//tripplite.eaton.com/Remote-Control-Module-Tripp-Lite-PowerVerter-Inverters-Inverter-Chargers~APSRM4">APSRM4</a>  accessory when used in inverter mode. In AC uninterruptible power mode, "auto/remote" setting enables automatic transfer from line power to battery power - to maintain continuous AC power to connected loads. |
| **PHYSICAL** | |
| Material of Construction | Polycarbonate |
| Cooling Method | Multi-speed fan |
| Form Factors Supported | Mounting slots enable permanent placement of inverter on any horizontal surface (see manual for additional mounting information) |
| Shipping Dimensions (hwd / in.) | 13.25 x 15.00 x 21.13 |
| Shipping Dimensions (hwd / cm) | 33.66 x 38.10 x 53.67 |
| Shipping Weight (lbs.) | 46.00 |

| | |
|---|---|
| Shipping Weight (kg) | 20.87 |
| Unit Dimensions (hwd / in.) | 7.000 x 8.500 x 14.000 |
| Unit Dimensions (hwd / cm) | 17.78 x 21.59 x 35.56 |
| Unit Weight (lbs.) | 42 |
| Unit Weight (kg) | 19.05 |
| **ENVIRONMENTAL** | |
| Relative Humidity | 0-95% non-condensing |
| **LINE / BATTERY TRANSFER** | |
| Transfer Time (Line Power to Battery Mode) | 20 milliseconds (typical - compatible with many computers, servers and networking equipment - verify transfer time compatibility of loads for UPS applications) |
| Low Voltage Transfer to Battery Power | In AC "auto" mode, inverter/charger switches to battery mode as line voltage drops to 144V (user adjustable to 163, 182, 201V - see manual) |
| High Voltage Transfer to Battery Power | In AC "auto" mode, inverter/charger switches to battery mode as line voltage increases to 259V (user adjustable to 264 - see manual) |
| **FEATURES & SPECIFICATIONS** | |
| Load Sensing | Optional load sense function enables automatic inverter shutoff and startup as connected equipment is powered off and on. Front panel load sense potentiometer can be set to shutoff or turn on inverter power in response to loads of any level, up to 150 watts. |
| **STANDARDS & COMPLIANCE** | |
| Product Compliance | RoHS |
| **WARRANTY & SUPPORT** | |
| Product Warranty Period (U.S. & Canada) | 1-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 |

1000 Eaton Boulevard
Cleveland, OH 44122
United States
https://tripplite.eaton.com

© 2026 Eaton. All Rights Reserved.
Eaton is a registered trademark. All other trademarks
are the property of their respective owners.