



Powering Business Worldwide



PowerVerter APS INT Series - Versatile inverter/charger with automatic line-to-battery switchover

MODEL NUMBER: **APSINT512**

Description

Tripp Lite's APSINT512 3-function DC-to-AC inverter with auto line-to-battery transfer and integrated charging system serves as an extended run UPS, a standalone power source or an automotive inverter. Supplies up to 500 watts of continuous 230V AC power to 2 AC outlets from any 12V battery or automotive DC source. When AC cable is connected to a live wall socket, utility power passes through to connected equipment and the battery set is recharged via 3 stage, 18 amp charging system. In UPS mode, the APS system responds to blackouts and brownouts with an uninterrupted transfer to battery-derived AC output. Includes a set of high current DC input terminals for simple installation (user supplies batteries and cabling). Reliable large transformer design with efficient PWM sine wave output and frequency control powers resistive electronic loads or large inductive motors, compressors and other items with high current needs on startup. Supports an unlimited amount of runtime with any number of user-supplied batteries connected. Highly adaptable to a variety of applications and site conditions with adjustable charger settings for wet/gel battery types and selectable line to battery power transfer voltages.

Features

- Functions as an extended run UPS system, standalone power source and automotive inverter
- Includes AC input cord and auto-transfer to enable battery charging and automatic UPS support for blackouts & brownouts
- 500 watts continuous output power; provides up to twice this rating for momentary startup of inductive loads
- Battery runtime is dependent upon the size and number of user-supplied 12-volt batteries used
- 2 outlets; 6-ft. AC power cord; DC input terminals for 12V battery connection
- Converts 12 volt DC to 230 volt AC
- Frequency control for operating stability
- Advanced 18 amp, 3-stage battery charger and selector switch for gel or wet cell batteries
- Resettable circuit breaker protects APS against system overload
- Switch allows user to select between off, auto-invert and charge-only settings
- 6 diagnostic LEDs indicate AC present, on battery, overload, & battery voltage level (high, medium, & low)
- Configuration switches to allow the user to select the high and low voltage for the unit to automatically transfer from AC power to battery backup
- Coated internal circuit boards offer continuous operation in humid environments (0-95%, non-condensing)
- 3.5mm port for connecting remote switch (User supplies plug, cable and switch - see manual)
- Allows unlimited runtime capability by allowing the use any number of user-supplied batteries

Highlights

- 12V DC to 230V AC / 50 Hz power inverter
- 1000 watts peak (500 watts continuous), 2 AC outlets
- 3 stage, 18 amp selectable wet/dry cell battery charger
- Auto line to battery transfer enables UPS protection during blackouts
- Compatible with marine, automotive, telecom, computer, emergency and a variety of other applications

Package Includes

- APSINT512 inverter/charger
- Instruction manual with warranty information

Specifications

OVERVIEW	
UPC Code	037332090294
INPUT	
Maximum Input Amps / Watts	DC INPUT: Full continuous load - 50A at 12VDC, No load - 2.2A at 12VDC. AC INPUT: 8 amps at 230VAC with full inverter and charger load



Powering Business Worldwide



Recommended Electrical Service	DC INPUT: Requires 12VDC input source capable of delivering 50A for the required duration (when used at full continuous capacity). For automotive applications, professional hardwire installation with 100A battery system fusing is recommended. AC INPUT:
Input Connection Type	DC INPUT: Set of 2 DC input wingnut terminals. AC INPUT: NEMA 5-15P input plug
Voltage Compatibility (VAC)	230
Voltage Compatibility (VDC)	12
OUTPUT	
Frequency Compatibility	60 Hz
Output Nominal Voltage	AC OUTPUT: 230VAC nominal, DC CHARGER OUTPUT (DC): 12VDC nominal
Output Voltage Regulation	LINE POWER (AC): Maintains 230V nominal sine wave output. INVERTER POWER (AC): Maintains PWM sine wave output voltage of 230 VAC (+/-5%). DC CHARGER OUTPUT (See battery recharge rate section)
Output Frequency Regulation	60 Hz (+/- 0.3 Hz)
Overload Protection	Circuit breaker
BATTERY	
Expandable Runtime	Yes
Expandable Runtime Description	Runtime is expandable with any number of user supplied wet or gel type batteries
DC System Voltage (VDC)	15
Battery Pack Accessory (Optional)	 98-121 sealed lead acid battery (optional)
Battery Charge	Includes 20 amp DC charging system
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	Lighted on/off power switch, plus 2 conductor 3.5 mm port for connecting remote switch - user supplies switch, 3.5mm plug and cable.
PHYSICAL	
Material of Construction	Polycarbonate
Cooling Method	Convection
Shipping Dimensions (hwd / in.)	11.50 x 8.75 x 9.37
Shipping Dimensions (hwd / cm)	29.21 x 22.22 x 23.81
Shipping Weight (lbs.)	22.00
Shipping Weight (kg)	9.98
Unit Dimensions (hwd / in.)	6.750 x 6.500 x 9.500
Unit Dimensions (hwd / cm)	17.1 x 16.5 x 24.8
Unit Weight (lbs.)	20.4
Unit Weight (kg)	9.25



Powering Business Worldwide



ENVIRONMENTAL	
Relative Humidity	0-95% non-condensing
LINE / BATTERY TRANSFER	
Transfer Time (Line Power to Battery Mode)	4-6 milliseconds
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	Call if outside the U.S, Canada or Puerto Rico

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

© 2024 Eaton. All Rights Reserved.
Eaton is a registered trademark. All other trademarks
are the property of their respective owners.