

Important Note

Position a 200A fuse link less than 18 in. from the battery in the positive line to protect against high-current draw that may occur during inverter failure.

1250W PowerVerter APS 12VDC 120V Inverter/Charger with Auto Transfer Switching, 2 Outlets

MODEL NUMBER: **APS1250**



Portable dual-outlet power source for power applications, such as power tools and computers, as a vehicle inverter, standalone AC power source or extended-run UPS. Ideal for RVs, fleet vehicles and emergency vehicles.

Features

Reliable Power for Mobile, Emergency and Remote Sites

- Generates safe, stable, computer-grade 120V 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 emergency vehicles
- Functions as a vehicle inverter, standalone AC power source or extended-run UPS
- Features 2 front NEMA 5-15R outlets
- Unlimited runtime with variety of user-supplied batteries

Meets Normal and Peak Power Demands

- 1250W of continuous power
- 1850W of reserve power up to 1 hr.
- 2500W 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 breaker protect unit from damage

Automatic Transfer Switching

- Transfer relay switches to inverter power during blackout in 16.6 ms

Highlights

- Delivers clean 120V AC power from AC or DC power source
- 1250W continuous output power; 2500W 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

- APS1250 1250W PowerVerter APS 12V DC 120V AC Inverter/Charger
- Owner's manual



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- 3-position switch enables Auto, Charge Only or System Off mode
- DIP switches configure high and low voltage auto-transfer

3-Stage 30A Battery Charger

- Serves as battery charger when external 120V 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 load level, battery charge 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
- Grounding lug connects unit to earth ground or vehicle grounding system
- Built-in 6-ft. (1.83 m) AC power cord with NEMA 5-15P plug connects to AC power source

Specifications

OVERVIEW	
UPC Code	037332121653
INPUT	
Nominal Input Voltage(s) Supported	120V AC
Maximum Input Amps / Watts	DC INPUT: Full continuous load - 127A at 12V DC. AC INPUT: 12 amps at 120VAC with full inverter and charger load (6.3A max charger-only)
Recommended Electrical Service	DC INPUT: Requires 12VDC input source capable of delivering 125A 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 225A minimum battery system fusing is recommended. AC INPUT: 120VAC
Input Connection Type	DC INPUT: Set of 2 DC bolt-down terminals. AC INPUT: NEMA 5-15P input plug
Voltage Compatibility (VAC)	120
Voltage Compatibility (VDC)	12
OUTPUT	
Frequency Compatibility	60 Hz
Pure Sine Wave Output	No
Nominal Output Voltage(s) Supported	120V



BATTERY

USER INTERFACE, ALERTS & CONTROLS

SURGE / NOISE SUPPRESSION

PHYSICAL



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Unit Weight (lbs.)	23.2
Unit Weight (kg)	10.52
ENVIRONMENTAL	
Relative Humidity	0%-95% Non-Condensing
LINE / BATTERY TRANSFER	
Transfer Time (Line Power to Battery Mode)	16.6 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 75V (user adjustable to 85, 95, 105V - see manual)
High Voltage Transfer to Battery Power	In AC "auto" mode, inverter/charger switches to battery mode as line voltage increases to 135V (user adjustable to 145 - see manual)
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

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