

PowerVerter® APS DC-to-AC Inverter/Chargers



- ▶ 700 - 6000 Watt Continuous Output
- ▶ Peak Surge Output for an Extended Period
- ▶ Integrated 3-Stage Battery Chargers
- ▶ Automatic Transfer Switching

Provide a Heavy-Duty Alternative Power Source

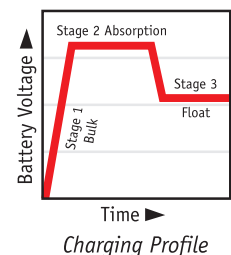
PowerVerter APS Inverter/Chargers provide the most reliable alternative energy sources during utility power problems (blackouts, brownouts, overvoltages and surges). When utility power is present, APS models automatically condition and/or power equipment while filtering surges and simultaneously recharging connected batteries. When utility power is absent (during a blackout in stationary applications or while driving in mobile applications) APS models automatically switch from utility power to battery backup power. With their heavy-duty, moisture-resistant construction, APS Inverter/Chargers are the ideal backup power source for any environment.

Deliver Extended Peak Surge Power

Many tools, appliances and printers require more power to start up than they do to run continuously. PowerVerter APS Inverter/Chargers accommodate these "peak surge" demands by delivering more output power than their continuous ratings. A DoubleBoost™ feature provides up to 200% of the continuous output for up to 10 seconds, providing the extra power needed to cold start heavy-duty tools and equipment. An OverPower™ feature delivers up to 150% of the continuous output for 1 to 60 minutes, providing plenty of reserve power to reliably support tools and equipment longer.

Preserve Your Battery

An advanced, 3-stage battery charger recharges your battery faster than conventional chargers while protecting against over-charge and over-discharge. A charge conservation setting preserves battery power by automatically shutting off the inverter in the absence of any power demand from connected equipment. When in use, all models are rated over 90% efficient,* ensuring more of your battery's power is used to run connected equipment in the absence of utility power. How long you are able to run your equipment in the absence of utility power is determined by the amount and size of user-supplied batteries that you connect to the APS Inverter/Charger.



* Efficiency varies depending on equipment load.

Provide Superior Output

PowerVerter APS Inverter/Chargers provide the most stable voltage and frequency output to help your equipment perform at its peak. A Frequency Control feature allows devices dependent on tightly-regulated AC line frequency (such as computers, TVs, DVD/CD players, etc.) to operate without any irregularities.

Tripp Lite Inverter/Chargers: The Cleaner, "Greener" Alternative to Gas Generators



- **Produces Quiet, Fume-Free Power:** With no fumes, fuel or excess noise, Tripp Lite Inverter/Chargers are the safer alternative to gas generators. They are ideal for applications where gas generators would be hazardous (such as indoors or in enclosed mobile applications) or inconvenient (such as in residential areas).

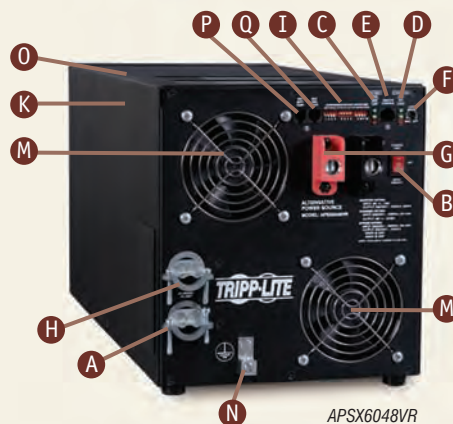
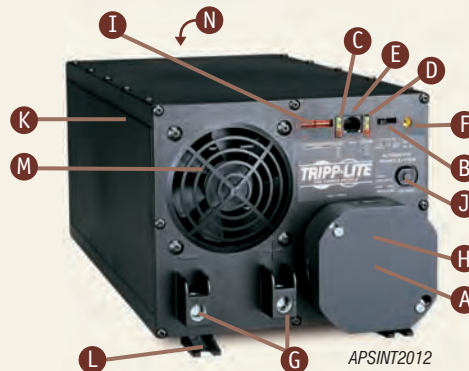
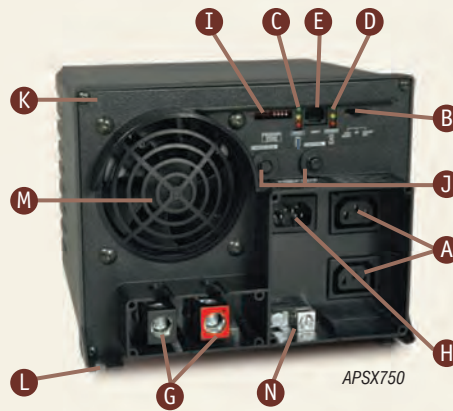
- **Saves Gas:** Tripp Lite Inverter/Chargers consume no fuel, drawing power from your battery system. Gas generators, by comparison, require frequent, costly trips to the pump.



- **Produces More Stable Power:** Tripp Lite Inverter/Chargers produce stable, microprocessor-controlled voltage and frequency to help your equipment perform at its peak. Gas generators, on the other hand, compromise the reliability of your equipment with overvoltages, frequency variations and surges.

Feature Focus

- A** C13 AC Outlets or Hardwire Terminals
- B** On/Off Switch
- C** Battery Charge Level LEDs
Indicate the approximate charge level—High/Medium/ Low—of connected batteries.
- D** Connected Load Level LEDs
Indicate the approximate wattage load level—High/Medium/Low—of connected equipment.
- E** Remote Control Jack
Provides optional remote monitoring and control when used with a Tripp Lite Remote Control LED/Switch Module.
Tripp Lite model APSRM4, sold separately. (Remote control jack is included on all Inverter/Charger models except APSX700HF.)
- F** Battery Charge Conservation "Load Sense" Dial
Conserves battery power by setting the load level at which the inverter automatically shuts off.
(All Inverter/Charger models except APSX750, APSX750F, APSX1250 and APSX1250F.)
- G** DC Input Terminals
- H** C14 AC Inlet or Hardwire Terminals
Recharge connected batteries and pass through surge-protected utility power, when available. Inlet accepts user-supplied cord with country-specific plug.
- I** Configuration DIP Switches
Optimize Inverter/Charger operation depending on your application. Set voltage switch points, battery charging parameters and more.
- J** Circuit Breakers
- K** High-Impact Polycarbonate or Metal Case



- L** Integrated Mounting Feet/Flanges
- M** Cooling Fan
- N** Grounding Lug
- O** Pure Sine Wave Model for Telecom/Facility Backup
The APSX6048VR model features 48V DC input for a variety of applications, including telecom. It also features a robust output capacity (6000 watts) to support an entire small office or department within a larger facility. Pure sine wave output on battery makes it ideal for even the most sensitive network equipment.
- P** Remote Battery Temperature Sensor
Prolongs battery life by adjusting charge based on battery temperature. Includes cable. (APXS6048VR only.)
- Q** Remote Generator Start Connector
Automatically cycles generator based on battery voltage. Requires cable. (APXS6048VR only.)
- Voltage Regulation LEDs (not shown)
Indicate whether Inverter/Charger is automatically regulating incoming voltage. (APXSINT3636VR only.)
- Low Battery Alarm/Shutdown (internal, not shown)
Automatically detects low voltage and shuts down inverter to preserve vehicle battery.
- Overload Alarm/Shutdown (internal, not shown)
Automatically detects wattage overload on AC output and shuts down inverter as a protective measure.

Specifications

Model	Continuous Watts ^(A)	OverPower™ Peak Surge Watts (150% of Cont. for 1 to 60 min.) ^(B)	OUTPUT (AC)		INPUT (DC & AC)			Transfer Time (Line Power to Battery) ^(E)	AC Input Connector ^(F)	
			DoubleBoost™ Peak Surge Watts (200% of Cont. for up to 10 sec.) ^(B)	Outlets ^(C)	Output Voltage/Frequency AC (Nominal)	Input Voltage DC (Nominal/Range)	Input Voltage AC (Nominal)			Charger Capacity
PowerVerter APS Inverter/Chargers										
APXS700HF	700	1050	1400	1 C13	230V / 50 Hz	12V (10-15V)	230V	6 A	2 cycles	C14 inlet
APXS750	750	1075	1500	2 C13	230V / 50 Hz	12V (10-15V)	230V	20/5 A ^(D)	1 cycle	C14 inlet
APXS750F	750	1075	1500	2 C13	230V / 50 Hz	12V (10-15V)	230V	20/5 A ^(D)	½ cycle	C14 inlet
APXS1250	1250	1875	2500	2 C13	230V / 50 Hz	12V (10-15V)	230V	30/7.5 A ^(D)	1 cycle	C14 inlet
APXS1250F	1250	1875	2500	2 C13	230V / 50 Hz	12V (10-15V)	230V	30/7.5 A ^(D)	½ cycle	C14 inlet
APXSINT2012	2000	3000	4000	Hardwire	230V / 50 Hz	12V (10-15V)	230V	60/15 A ^(D)	1 cycle	Hardwire
APXSINT2424	2400	3600	4800	Hardwire	230V / 50 Hz	24V (20-30V)	230V	30 A	1 cycle	Hardwire
APXSINT3636VR	3600	5400	7200	Hardwire	230V / 50 Hz	36V (30-45V)	230V	30 A	1 cycle	Hardwire
PowerVerter APS Inverter/Charger—PURE SINE WAVE for Telecom/Facility Backup										
APXS6048VR	6000	9000	12000	Hardwire	208 or 230V/50 or 60 Hz ^(D)	48V (42-60V)	208 or 230V/50 or 60 Hz ^(D)	90/23 A ^(D)	½ or 1 cycle ^(D)	Hardwire

PowerVerter APS Inverter/Charger Accessories

APSRM4	Remote Control LED/Switch Module. Faceplate, cord and daisy-chain capability. (For all models except APXS700HF.)
98-121	12V DC, 75 Amp Hour Sealed, Maintenance-Free Battery.
BP260	Battery Case with Cables. Holds Two 98-121 Batteries.

PowerVerter Inverters (DO NOT INCLUDE A BATTERY CHARGER)

PVINT375	375	N/A	600 ^(B)	1 ^(D)	230V / 50 Hz	12V (10-15V)	N/A	N/A	N/A	N/A
PVX700	700	N/A	1400 ^(B)	1 ^(D)	230V / 50 Hz	12V (10-15V)	N/A	N/A	N/A	N/A

^(A) Maximum output power (Continuous or Peak Surge) only available when connected batteries are properly charged. Run vehicle engine or charger often to maintain proper charge. ^(B) DoubleBoost duration for APS Inverter/Charger models is up to 10 seconds. DoubleBoost duration for Inverter models is instantaneous. Actual wattage levels and durations vary depending on optimal operating conditions: battery age, battery charge level and ambient temperature. ^(C) Models with C13 outlet(s) include adapter that converts C13 outlet to universal outlet compatible with more than 20 plug types common in Europe, Asia and Latin America. ^(D) User-selectable. ^(E) 1/2 cycle = 10 milliseconds (nominal). 1 cycle = 20 milliseconds (nominal). 2 cycles = 40 milliseconds (nominal). APSX6048VR's transfer time is user-selectable: 1/2 cycle = 8 or 10 milliseconds (nominal, varies by user-selectable frequency); 1 cycle = 16 or 20 milliseconds (nominal, varies by user-selectable frequency). ^(F) C14 inlet connects to user-supplied input power cord with country-specific plug. Models with inlet (except APXS700HF) include detachable 2 meter C13-to-C14 power cord. ^(G) DoubleBoost duration for Inverter models is instantaneous. ^(H) Universal outlet compatible with more than 20 plug types common in Europe, Asia and Latin America. The policy of Tripp Lite is one of continuous improvement. Specifications are subject to change without notice. Actual products may differ slightly from photos.

Complete, up-to-date specifications (including product weight and dimensions) available at www.tripplite.com

Recommended Wire Gauge Chart also available: www.tripplite.com/products/inverters/wire_gauge.cfm

