SIZING GUIDE

S I Z I N G G U I D E S I Z I N G G U I D E S I Z I N G

Simultaneously Run Multiple Devices!

All Inverter and Inverter/Charger models* can simultaneously run multiple devices so long as the total wattage of connected devices doesn't exceed the model's continuous wattage rating.

Example—PV3000HF
(3000 Watt Continuous Rating. 4 AC Outlets.)

- Mixer/Blender: 300 Watts
- Portable Vacuum: + 550 Watts
- 6" Circular Saw: + 950 Watts
- Router: + 1000 Watts

Total: = 2800 Watts

* Except PV150 and PVINT375 which cannot run multiple devices because they include only one AC outlet.

PowerVerter Plus
Heavy-Duty Inverters
- 750 - 2400 Watt Continuous Output
- Deliver PEAK SURGE Output for an EXTENDED Period
- Heavy-Duty Construction

See pages 2 - 3

PowerVerter
Compact/Lightweight Inverters
- 150 - 3000 Watt Continuous Output
- Deliver PEAK SURGE Output INSTANTANEOUSLY
- Ultra-Compact Portable and Permanent Mount Options

See pages 4 - 5

PowerVerter APS
Heavy-Duty Inverter/Chargers
(with Automatic Transfer Switching)
- 750 - 3600 Watt Continuous Output
- Deliver PEAK SURGE Output for an EXTENDED Period
- Integrated 3-Stage Battery Chargers
- Heavy-Duty Construction

See pages 6 - 7

Application	Typical Watts	PV750FC	PV1250FC	PV2000FC	PV2400FC	PV150	PV375/ PVINT375	PV600	PV1000HF	PV1800HF	PV3000HF	APS750/ APSX750	APS1250/ APSX1250	APS1524/ APSINT1524	APS2012/ APSX2012	APS2424/ APSX2424	APS2448UL	APS3636VR/ APSINT3636VR
Power Tools																		
Finishing Sander	190	■	■	■	■		■	■	■	■	■	■	■	■	■	■	■	■
5" Bench Grinder	220	■	■	■	■		■	■	■	■	■	■	■	■	■	■	■	■
¼" Drill	300	■	■	■	■		■	■	■	■	■	■	■	■	■	■	■	■
790° F Heat Gun	400	■	■	■	■			■	■	■	■	■	■	■	■	■	■	■
Jigsaw	450	■	■	■	■			■	■	■	■	■	■	■	■	■	■	■
Standard Reciprocating Saw	480	■	■	■	■			■	■	■	■	■	■	■	■	■	■	■
4½" Disk Grinder	600	■	■	■	■			■	■	■	■	■	■	■	■	■	■	■
½" Reversible Drill	700	■	■	■	■				■	■	■	■	■	■	■	■	■	■
10 Gallon Wet/Dry Vacuum	900		■	■	■				■	■	■		■	■	■	■	■	■
6" Circular Saw	950		■	■	■				■	■	■		■	■	■	■	■	■
Router	1000		■	■	■				■	■	■		■	■	■	■	■	■
14" Chain Saw	1200		■	■	■					■	■		■	■	■	■	■	■
Pumps																		
⅙ hp Submersible Sump Pump	880		■	■	■				■	■	■		■	■	■	■	■	■
¼ hp Submersible Sump Pump	925		■	■	■				■	■	■		■	■	■	■	■	■
⅓ hp Submersible Sump Pump	1050		■	■	■					■	■		■	■	■	■	■	■
½ hp Submersible Sump Pump	1400			■	■					■	■			■	■	■	■	■
Audio/Video Equipment																		
Video Game System	20	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
VCR	30	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
CD Changer/Mini System	50	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
13" Color TV	80	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
19" Color TV	160	■	■	■	■		■	■	■	■	■	■	■	■	■	■	■	■
25" Color TV	220	■	■	■	■		■	■	■	■	■	■	■	■	■	■	■	■
Stereo Amplifier	240	■	■	■	■		■	■	■	■	■	■	■	■	■	■	■	■
Appliances																		
Can Opener	100	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
12" 3-Speed Fan	250	■	■	■	■		■	■	■	■	■	■	■	■	■	■	■	■
Mixer/Blender	300	■	■	■	■		■	■	■	■	■	■	■	■	■	■	■	■
Food Processor	400	■	■	■	■			■	■	■	■	■	■	■	■	■	■	■
Portable Vacuum	550	■	■	■	■			■	■	■	■	■	■	■	■	■	■	■
Toaster Oven	1000		■	■	■				■	■	■		■	■	■	■	■	■
Coffeemaker	1000		■	■	■				■	■	■		■	■	■	■	■	■
Microwave Oven	1000		■	■	■				■	■	■		■	■	■	■	■	■
Mobile Office Equipment																		
Battery Chargers	25	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Inkjet/Bubblejet Printer	40	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Laptop Computer	100	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Fax Machine	120	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
14" Color Monitor	125	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Laser Printer	800		■	■	■				■	■	■		■	■	■	■	■	■

Can't Find Your Equipment on the Chart? Multiply the amps of your device by its voltage to determine required wattage. Amps x Volts = Watts (Example: A ¼" Drill requires 2½ Amps. 2½ Amps x 120 = 300 Watts). Always choose an inverter with a rating greater than or equal to the required wattage.

Utility/Work Truck Inverters

- Quiet mobile power for work trucks
- TUV tested to UL458
- Silent alternative to generators
- No fuel, fumes or maintenance costs
- Remote Control Module included
- 3 models to choose from (750 - 2000 watt capacities)

RV & Marine Inverter/Chargers

- Quiet mobile power for RV/Marine applications
- TUV tested to UL458
- Silent alternative/supplement to generators
- Built-in ISOBAR® premium surge protection
- Integrated 3-stage battery chargers
- Remote control and battery temperature-sensing capabilities
- 10 models to choose from (750 - 3000 watt capacities)

EMS Inverter/Chargers

- Reliable mobile power for ambulance/EMS applications
- TUV tested to UL458. Also meets GSA KKK-A-1822
- Deliver PEAK SURGE output for an EXTENDED period
- Integrated 3-stage battery chargers
- Included remote control module
- Hospital-grade GFCI outlets

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DC-TO-AC INVERTERS & INVERTER/CHARGERS

TRIPP·LITE THE POWER PEOPLE

PowerVerter®

DC-to-AC Inverters and Inverter/Chargers

The most economical and reliable solutions available for mobile and emergency DC-to-AC power applications.

Power Electrical Equipment…
- *Entertainment Systems*
- *Power Tools*
- *Appliances*
- *Game Systems*
- *Computers/Mobile Office Equipment*
- *And More!*

…Used in Any Application
- *Cars/SUVs*
- *Trucks*
- *Fleet/Service Vehicles*
- *Power/Sail Boats*
- *Homes/Businesses*
- *And More!*

Heavy-Duty Inverters
(p. 2 - 3)

Compact/Lightweight Inverters
(p. 4 - 5)

Heavy-Duty Inverter/Chargers
(with Automatic Transfer Switching)
(p. 6 - 7)

PowerVerter® Plus

Heavy-Duty DC-to-AC Inverters


PV750FC, PV1250FC


PV2000FC, PV2400FC

- 750 - 2400 Watt Continuous Output
- Deliver PEAK SURGE Output for an EXTENDED Period
- Heavy-Duty Construction

Application:

HEAVY-DUTY AC POWER FOR ALL MOBILE APPLICATIONS

(Job Sites, Service Fleets, Commercial Vehicles, Trucks, Boats)

Provide Heavy-Duty Construction & Performance

Made to withstand vibration and impact, PowerVerter Plus Inverters are the ideal professional-grade power solutions for heavy-duty applications. PowerVerter Plus Inverters convert DC power from any vehicle or boat battery into AC (household) power to run a variety of tools and appliances. PowerVerter Plus Inverters' combination of extended peak surge power and frequency-controlled output make them ideal for the widest variety of equipment, from heavy-duty drills, saws and pumps to computers, timing motors and sensitive monitoring equipment.

Deliver Extended Peak Surge Power

Many tools, appliances and printers require more power to start up than they do to run continuously. Some motors, such as in refrigerators and pumps, have wildly-fluctuating power demands, starting and stopping intermittently. PowerVerter Plus Inverters accommodate these "peak surge" demands by delivering more output power than their continuous ratings. Compare the "Continuous" and "Peak Surge" wattage ratings found in the specifications chart on the next page; you'll find PowerVerter Plus Inverters supply up to double their output to easily handle equipment start-up and motor cycling requirements. 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 up to 1 hour, providing plenty of reserve power to reliably support tools and equipment longer.*

* Actual duration depends on battery age, battery charge level and ambient temperature.

Preserve Your Battery

PowerVerter Plus Inverters, through a high-efficiency conversion process and a battery charge conservation ("Load Sense") setting (on select models),* draw the highest level of performance from your batteries without overtaxing them, lengthening their service life. When in use, all models are rated over 90% efficient,** ensuring more of your battery's power is used to run connected equipment. An automatic low-battery shutdown feature ensures you'll always have battery power available for vehicle start-up purposes. How long you are able to run your equipment is only limited by your vehicle's battery, alternator and wiring.

* The battery charge conservation ("Load Sense") setting, included on PV750FC and PV1250FC models conserves battery power by setting the load level at which the inverter automatically shuts off. ** Efficiency varies depending on equipment load.

Provide Superior (Frequency-Controlled) Output

Whether you are operating a power tool or a computer, PowerVerter Plus Inverters 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, VCRs, DVD/CD players, etc.) to operate without any irregularities.

HEAVY-DUTY AC POWER FOR ALL MOBILE APPLICATIONS


Job Sites


Service Fleets

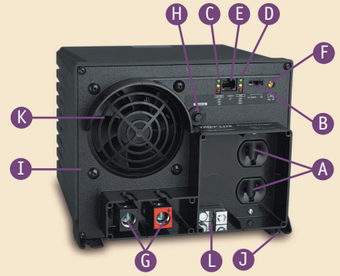

Commercial Vehicles


Trucks

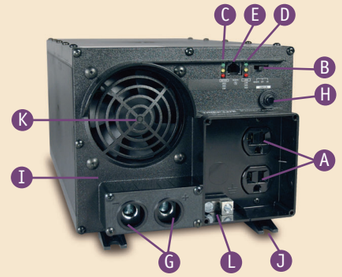

Boats

Feature Focus

- **A AC Receptacles** — Provide AC power for a variety of applications.
- **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.)
- **F Battery Charge Conservation "Load Sense" Dial** — Conserves battery power by setting the load level at which the inverter automatically shuts off. (PV750FC and PV1250FC models only.)
- **G DC Input Terminals** — Assure solid connection to battery with user-supplied cables.
- **H Circuit Breaker** — Guards the inverter against potentially damaging equipment overload.



PV750FC, PV1250FC



PV2000FC, PV2400FC

- **I High-Impact Polycarbonate Case** — Stands up to the toughest environments. (Vibration, impact and corrosion resistant.)
- **J Integrated Mounting Feet/Flanges** — Provide safe, fixed installation.
- **K Cooling Fan** — Regulates internal temperature and prolongs unit service life.
- **L Grounding Lug** — Connects to vehicle ground.
- **Low Battery Shutdown (internal, not shown)** — Automatically detects low voltage and shuts down inverter to preserve vehicle battery.
- **Overload Shutdown (internal, not shown)** — Automatically detects wattage overload on AC receptacles and shuts down inverter as a protective measure.
- **Ignition Interlock Jack (rear panel, not shown)** — Connects select Inverter models to a vehicle's ignition switch. Use to disable AC power output depending on the position of the vehicle's ignition switch—"Accessory/Engine Run" or "Off". (PV750FC and PV1250FC models only.)*

* Ignition interlock capability can be achieved for PV2000FC and PV2400FC models with the addition of an APSRM4 Remote Module (see listing below).

Simplify Connection & Mounting

PowerVerter Plus Inverters connect directly to your battery system with user-supplied cables (commonly available at any electrical supply or tire/battery store). Connect equipment to these models through their AC receptacles. Although not required, you can easily mount PowerVerter Plus Inverters on any rigid, horizontal surface as long as the area or compartment you choose is sufficiently ventilated.

Model	OUTPUT (AC) Continuous Watts[A]	OverPower™ Peak Surge Watts (150% of Cont. for up to 1 hr.)[B]	DoubleBoost™ Peak Surge Watts (200% of Cont. for up to 10 sec.)[B]	AC Receptacles[C]	Output Voltage/ Frequency AC (Nominal)	INPUT (DC) Input Voltage DC (Nominal/Range)	DC Connection	Unit Dimensions H x W x D (in)	Shipping Weight (lb)
120 V PowerVerter Plus Inverters									
PV750FC	750	1125	1500	2	120 V / 60 Hz	12 V (10-15 V)	User-Supplied Cables	7 x 8.75 x 9	18
PV1250FC	1250	1875	2500	2	120 V / 60 Hz	12 V (10-15 V)	User-Supplied Cables	7 x 8.75 x 9	25
PV2000FC	2000	3000	4000	2	120 V / 60 Hz	12 V (10-15 V)	User-Supplied Cables	7.3 x 8.5 x 16.5	41
PV2400FC	2400	3600	4800	2	120 V / 60 Hz	24 V (20-30 V)	User-Supplied Cables	7.3 x 8.5 x 16.5	44
Accessories									
APSRM4	Remote Control LED/Switch Module. Faceplate, cord, daisy-chain capability and ignition interlock capability. (For all models.)							1 x 3.9 x 2.1[D]	2.5

[A] Maximum output power (Continuous or Peak Surge) only available when vehicle battery is properly charged. Run vehicle engine often to maintain proper charge. [B] Actual wattage levels and durations for OverPower and DoubleBoost Peak Surge Output varies depending on battery age, battery charge level and ambient temperature. [C] PV750FC and PV1250FC AC receptacles are 15-amp (NEMA 5-15R). PV2000FC and PV2400FC AC receptacles are 20-amp (NEMA 5-15/20R). [D] Dimensions listed are for the remote module only, without the faceplate. Faceplate dimensions are 3.75 x 5.75 inches (H x W). The policy of Tripp Lite is one of continuous improvement. Specifications are subject to change without notice. Actual product may differ slightly from photos.

Detailed specifications available: www.tripplite.com

TRIPP LITE INVERTER & INVERTER/CHARGER ADVANTAGES OVER GAS GENERATORS

- **Produces Quiet, Fume-Free Power:** With no fumes, fuel or excess noise, Tripp Lite Inverters and 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 or during campsite or harbor quiet hours).
- **Produces More Stable Power:** Tripp Lite Inverters and 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.
- **Saves Gas:** Tripp Lite Inverters and Inverter/Chargers consume no fuel, drawing power from your battery system. Gas generators, by comparison, require frequent, costly trips to the pump.
- **Reduces Maintenance:** Tripp Lite Inverters and Inverter/Chargers provide years of worry-free operation with no moving parts to wear out or replace. Gas generators, by contrast, require frequent routine maintenance.

PowerVerter®

Compact/Lightweight DC-to-AC Inverters

- 150 - 3000 Watt Continuous Output
- Deliver PEAK SURGE Output INSTANTANEOUSLY
- Ultra-Compact Portable and Permanent-Mount Options

Application:

PORTABLE AC POWER FOR ALL MOBILE APPLICATIONS
(Cars, SUVs, Trucks, RVs, Boats)

Provide a Variety of Models for Every Application

PowerVerter Inverters convert DC power from any vehicle or boat battery into AC (household) power to run a variety of tools and appliances. Ultra-Compact Portable models are the perfect mobile power solutions for business travelers, vacationers or multiple vehicle owners. Business travelers and vacationers will enjoy their ability to run notebook computers, phone/battery chargers, game systems and TVs/VCRs while on the road. Multiple vehicle owners will enjoy their portability—carrying them from car to truck to trailer to boat and back.

Permanent-Mount models provide the ultimate heavy-duty power centers. With these models you never have to make difficult decisions about what to plug in and power on. Since Permanent-Mount models deliver up to 3000 watts of available power, you don't have to choose between a TV and a toaster or a blender and a drill—run them simultaneously!

Deliver Instantaneous Peak Surge Power

Many tools, appliances and printers require more power to start up than they do to run continuously. PowerVerter Inverters accommodate these "peak surge" demands by instantaneously delivering more output power than their continuous ratings. Compare the "Continuous" and "Peak Surge" wattage ratings found in the specifications chart on the next page; you'll find PowerVerter Inverters supply up to double their output to easily handle equipment start-up requirements. For supporting equipment through peak surge demands for **extended** periods of time, see PowerVerter Plus Inverters (pages 2 - 3) or PowerVerter APS Inverter/Chargers (pages 6 - 7).

Preserve Your Battery

PowerVerter Inverters, through a high-efficiency conversion process and a battery charge conservation ("Load Sense") setting (on select models),* draw the highest level of performance from your batteries without overtaxing them, lengthening their service life. When in use, all models are rated over 90% efficient,** ensuring more of your battery's power is used to run connected equipment. An automatic low-battery shutdown feature ensures you'll always have battery power available for vehicle start-up purposes. How long you are able to run your equipment is only limited by your vehicle's battery, alternator and wiring.

* The battery charge conservation ("Load Sense") setting, included on PV1000HF, PV1800HF and PV3000HF models, conserves battery power by setting the load level at which the inverter automatically shuts off. ** Efficiency varies depending on equipment load.

Provide Computer-Grade Output

Whether you are operating a power tool or a computer, PowerVerter Inverters provide stable, microprocessor-controlled voltage and frequency to help your equipment perform at its peak.

PORTABLE AC POWER FOR ALL MOBILE APPLICATIONS


Advantages Over Gas Generators: See p.3


Cars


SUVs


Trucks


RVs


Boats

Feature Focus

A AC Receptacles
Provide AC power for a variety of applications. Permanent-Mount models provide higher capacities to run multiple devices simultaneously.

B On/Off Switch
Ultra-Compact Portable models feature an illuminated switch.

C Battery Charge Level LEDs
Indicate the approximate charge level—High/Medium/Low—of connected batteries. (PV1000HF, PV1800HF and PV3000HF models only.)

D Connected Load Level LEDs
Indicate the approximate wattage load level—High/Medium/Low—of connected equipment. (PV1000HF, PV1800HF and PV3000HF models only.)

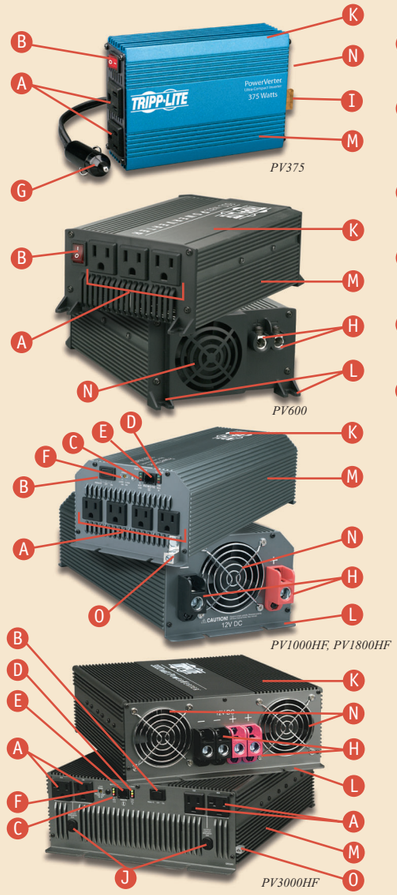
E Remote Control Jack
Provides optional remote monitoring and control when used with a Tripp Lite Remote Control LED/Switch Module. (PV1000HF, PV1800HF and PV3000HF models only.)

F Battery Charge Conservation "Load Sense" Dial
Conserves battery power by setting the load level at which the inverter automatically shuts off. (PV1000HF, PV1800HF and PV3000HF models only.)

G DC Input Plug for Lighter/Accessory Outlet
Draws power from any 12V cigarette lighter/accessory outlet. (PV150, PV375 and PVINT375 models only.)

H DC Input Terminals
Assure solid connection to battery with user-supplied cables. PV3000HF models feature dual connections to provide high-wattage support to heavy equipment loads. (PV600, PV1000HF, PV1800HF and PV3000HF models only.)

I Replaceable External Automotive Fuse
Protects vehicle battery from damaging overload. (PV150, PV375 and PVINT375 models only.)



J Circuit Breakers
Guard the inverter against potentially damaging equipment overload. (PV3000HF models only.)

K Sturdy Extruded Aluminum Case
Stands up to the toughest environments. Ultra-Compact Portable models are small enough to store easily in any briefcase or glove compartment.

L Integrated Mounting Feet/Flanges
Provide safe, fixed installation. (PV600, PV1000HF, PV1800HF and PV3000HF models only.)

M Grooved Cooling Surface
Provides additional surface area for more efficient cooling.

N Cooling Fan
Regulates internal temperature and prolongs unit service life. (All models except PV150.)

O Grounding Lug
Connects to vehicle ground. (PV1000HF, PV1800HF and PV3000HF models only.)

Remote Control LED/Switch Module

Controls and monitors inverter from virtually anywhere within a vehicle with use of thin extra-long control cable, included. Allows multiple mounting options, including behind or below a dashboard or compartment. Features daisy-chain capability and ignition interlock capability. **Included FREE with PV3000HF models.** (Also sold separately; order Tripp Lite model # APSRM4.)

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 receptacles and shuts down inverter as a protective measure.

Simplify Connection & Mounting

PowerVerter Inverters provide the simplest connection to your DC battery source. 150- and 375-watt models feature a built-in cord which plugs directly into your vehicle's cigarette lighter/accessory outlet. All other models connect directly to your battery with user-supplied cables (commonly available at any electrical supply or tire/battery store).

Although not required, you can easily install Permanent-Mount models under or along the side of seats, tables or consoles (or any flat, rigid surface). Ultra-Compact Portable models are designed for maximum portability instead of permanent mounting. Operate these models on a car seat, console or floor and store them in any glove compartment or travel bag.

	OUTPUT (AC)				INPUT (DC)			
Model	Continuous Watts[A]	Peak Surge Watts (Instantaneous)[B]	AC Receptacles[C]	Output Voltage/ Frequency AC (Nominal)	Input Voltage DC (Nominal/Range)	DC Connection	Unit Dimensions H x W x D (in)	Shipping Weight (lb)
120 V PowerVerter ULTRA-COMPACT PORTABLE Inverters								
PV150	150	300	1	120 V / 60 Hz	12 V (10-15 V)	Lighter Plug	1.75 x 3.75 x 5.75	2
PV375	375	600	2	120 V / 60 Hz	12 V (10-15 V)	Lighter Plug	2 x 4.25 x 7	3
PV600	600	1200	3	120 V / 60 Hz	12 V (10-15 V)	User-Supplied Cables	2.75 x 5 x 8.25	4
120 V PowerVerter PERMANENT-MOUNT Inverters								
PV1000HF	1000	2000	4	120 V / 60 Hz	12 V (10-15 V)	User-Supplied Cables	4.25 x 6 x 13	7
PV1800HF	1800	3600	4	120 V / 60 Hz	12 V (10-15 V)	User-Supplied Cables	4 x 6 x 15	8
PV3000HF	3000	6000	4	120 V / 60 Hz	12 V (10.5-15 V)	User-Supplied Cables	4.5 x 11 x 14	16
230 V PowerVerter ULTRA-COMPACT PORTABLE Inverter								
PVINT375	375	600	1	230 V / 50 Hz	12 V (10-15 V)	Lighter Plug	2 x 4.25 x 7	3
Accessories								
APSRM4	Remote Control LED/Switch Module. Faceplate, cord, daisy-chain capability and ignition interlock capability. (For Permanent Mount Models only.)						1 x 3.9 x 2.1[D]	2.5

[A] Maximum output power (Continuous or Peak Surge) only available when vehicle battery is properly charged. Run vehicle engine often to maintain proper charge. [B] Actual wattage levels and durations for Peak Surge Output varies depending on battery age, battery charge level and ambient temperature. [C] All 120 V Inverters include 15-amp (NEMA 5-15R) AC receptacles; PV3000HF includes two 15-amp (NEMA 5-15R) and two 20-amp (NEMA 5-15/20R) AC receptacles. PVINT375 includes a universal AC receptacle that accepts a variety of different plug types. [D] Dimensions listed are for the remote module only, without the faceplate. Faceplate dimensions are 3.75 x 5.75 inches (H x W). The policy of Tripp Lite is one of continuous improvement. Specifications are subject to change without notice. Actual product may differ slightly from photos.

Detailed specifications available: www.tripplite.com

PowerVerter® APS

Heavy-Duty DC-to-AC Inverter/Chargers (with Automatic Transfer Switching)


APS750, APS1250


APS1524, APS2012, APS2424, APS2448UL, APS3636VR

- 750 - 3600 Watt Continuous Output
- Deliver PEAK SURGE Output for an EXTENDED Period
- Integrated 3-Stage Battery Chargers
- Heavy-Duty Construction

Application:

RELIABLE EMERGENCY BACKUP POWER FOR ALL APPLICATIONS

(Homes, Businesses, Trucks, Commercial Vehicles, Boats)

Provide a Heavy-Duty Emergency Power Source

PowerVerter APS Inverter/Chargers provide the most reliable alternate energy sources during utility power problems (blackouts, brownouts, overvoltages and surges). When utility power is present, APS Inverter/Chargers automatically pass through power (filtered through surge protection) to your equipment while simultaneously recharging your connected batteries. When utility power is absent (during a blackout in stationary applications or while driving in mobile applications) APS Inverter/Chargers automatically switch from utility power to battery backup power. The switch is so swift and seamless (within milliseconds) that even sensitive computer systems will not be affected. With their heavy-duty, moisture-resistant* construction, APS Inverter/Chargers are the ideal backup power source for any environment.

* APS Inverter/Chargers are moisture-resistant (guarding against occasional splashes and excess humidity); they are not waterproof.

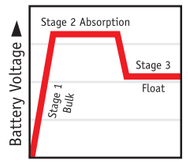
Deliver Extended Peak Surge Power

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. PowerVerter APS Inverter/Chargers supply up to double their output to easily handle equipment start-up and motor cycling requirements. 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 up to 1 hour, providing plenty of reserve power to reliably support tools and equipment longer.*

* Actual duration depends on battery age, battery charge level and ambient temperature.

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. An optional battery temperature sensing feature* prolongs battery life by adjusting the charge level based on battery temperature. 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 only limited by the amount and size of user-supplied batteries that you connect to the APS Inverter/Charger.



Charging Profile

* Included with all models except APS750, APS1250, APSX750 and APSX1250. ** Efficiency varies depending on equipment load.

Provide Superior (Frequency-Controlled) Output

Whether you are operating a power tool or a computer, 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, VCRs, DVD/CD players, etc.) to operate without any irregularities.

R E L I A B L E E M E R G E N C Y B A C K U P P O W E R F O R A L L A P P L I C A T I O N S


Advantages Over Gas Generators: See p.3


Homes

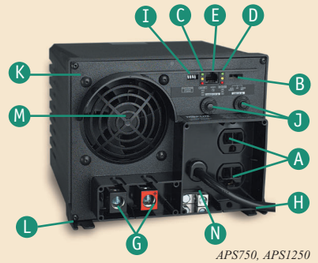

Businesses


Trucks

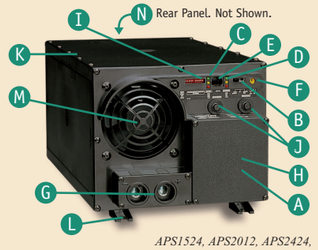

Commercial Vehicles


Boats

Feature Focus



APS750, APS1250



APS1524, APS2012, APS2424, APS2448UL, APS3636VR

A AC Output Receptacles or Hardwire Terminals
Provide AC power for a variety of applications.

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.)

F Battery Charge Conservation "Load Sense" Dial
Conserves battery power by setting the load level at which the inverter automatically shuts off. (All models except APS750, APS1250, APSX750 and APSX1250.)

G DC Input Terminals
Assure solid connection to battery with user-supplied cables.

H AC Input Cord or Hardwire Terminals
Recharge connected batteries and pass through surge-protected utility power, when available.

I Configuration DIP Switches
Optimize Inverter/Charger operation depending on your application. Set voltage switchpoints, battery charging parameters and more.

J Circuit Breakers
Guard the inverter against potentially damaging equipment overload.

K High-Impact Polycarbonate Case
Stands up to the toughest environments. (Vibration, impact and corrosion resistant.)

L Integrated Mounting Feet/Flanges
Provide safe, fixed installation.

M Cooling Fan
Regulates internal temperature and prolongs unit service life.

N Grounding Lug
Connects to vehicle ground.

Voltage Regulation LEDs (not shown)
Shows Inverter/Charger is automatically regulating incoming voltage, correcting low voltage (brownouts) and high voltage without relying on battery power. (APS3636VR and APSINT3636VR models only.)

Battery Temperature Sensing Jack (side panel, not shown)
Prolongs battery life by adjusting charge based on battery temperature. (All models except APS750, APS1250, APSX750 and APSX1250.)

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 receptacles and shuts down inverter as a protective measure.

Simplify Connection & Mounting

For DC connection, all APS models connect directly to your battery system with user-supplied cables. For AC connection, select models feature cords and receptacles; other models wire directly to your facility's or vehicle's electrical system. Although not required, you can easily mount all models on a rigid, horizontal surface as long as the area or compartment you choose is sufficiently ventilated*

* Vertical and inverted mounting are also possible, with certain limitations; contact Tripp Lite for details.

Special Telecom Model

Tripp Lite's APS2448UL Inverter/Charger allows telecom users to tap into an existing -48 V battery source to power 120 V telecom support equipment during a blackout (when used as an emergency power source) or continuously (when used as a traditional inverter). This eliminates the need for costly -48 V electronics or computer equipment.

Special RV, EMS & Utility/Truck models also available! Visit www.tripplite.com

Model	OUTPUT (AC) Continuous Watts[A]	OverPower™ Peak Surge Watts (150% of Cont. for up to 1 hr.)[B]	DoubleBoost™ Peak Surge Watts (200% of Cont. for up to 10 sec.)[B]	AC Receptacles[C]	Output Voltage/ Frequency AC (Nominal)	INPUT (DC & AC) Input Voltage DC (Nominal/Range)	Input Voltage AC (Nominal)	Charger Capacity	Unit Dimensions H x W x D (in)	Shipping Weight (lb)
120 V PowerVerter APS Inverter/Chargers										
APS750	750	1125	1500	2	120 V / 60 Hz	12 V (10-15 V)	120 V	20 A	7 x 8.75 x 9	19
APS1250	1250	1875	2500	2	120 V / 60 Hz	12 V (10-15 V)	120 V	30 A	7 x 8.75 x 9	25
APS1524	1500	2250	3000	Hardwire	120 V / 60 Hz	24 V (20-30 V)	120 V	36/10 A[D]	7.25 x 8.5 x 16.25	33
APS2012	2000	3000	4000	Hardwire	120 V / 60 Hz	12 V (10-15 V)	120 V	100/25 A[D]	7.25 x 8.5 x 16.25	43
APS2424	2400	3600	4800	Hardwire	120 V / 60 Hz	24 V (20-30 V)	120 V	55/14 A[D]	7.25 x 8.5 x 16.25	43
APS2448UL	2400	3600	4800	Hardwire	120 V / 60 Hz	48 V (40-60 V)	120 V	15 A	7.25 x 8.5 x 16.25	44
APS3636VR	3600	5400	7200	Hardwire	120 V / 60 Hz	36 V (30-45 V)	120 V	30 A	7.25 x 8.5 x 16.25	62
230 V PowerVerter APS Inverter/Chargers										
APSX750	750	1125	1500	2	230 V / 50 Hz	12 V (10-15 V)	230 V	20/5 A[D]	7 x 8.75 x 9	20
APSX1250	1250	1875	2500	2	230 V / 50 Hz	12 V (10-15 V)	230 V	30/7.5 A[D]	7 x 8.75 x 9	26
APSINT1524	1500	2250	3000	Hardwire	230 V / 50 Hz	24 V (20-30 V)	230 V	30/10 A[D]	7.25 x 8.5 x 16.25	35
APSX2012	2000	3000	4000	Hardwire	230 V / 50 Hz	12 V (10-15 V)	230 V	100/25 A[D]	7.25 x 8.5 x 16.25	46
APSX2424	2400	3600	4800	Hardwire	230 V / 50 Hz	24 V (20-30 V)	230 V	30/7.5 A[D]	7.25 x 8.5 x 16.25	47
APSINT3636VR	3600	5400	7200	Hardwire	230 V / 50 Hz	36 V (30-45 V)	230 V	30 A	7.25 x 8.5 x 16.25	63
Accessories										
APSRM4	Remote Control LED/Switch Module. Faceplate, cord, daisy-chain capability and ignition interlock capability. (For all models.)								1 x 3.9 x 2.1[E]	2.5
98-121	12 V DC, 75 Amp Hour Sealed, Maintenance-Free Battery								9 x 10.25 x 7	58
BP260	Battery Case with Cables. Holds Two 98-121 Batteries								10.5 x 10.5 x 17.75	15

[A] Maximum output power (Continuous or Peak Surge) only available when vehicle battery is properly charged. Run vehicle engine often to maintain proper charge. [B] Actual wattage levels and durations for OverPower and DoubleBoost Peak Surge Output varies depending on battery age, battery charge level and ambient temperature. [C] APS750 and APS1250 include 15-amp (NEMA 5-15R) AC receptacles. APSX750 and APSX1250 include two IEC-320 C-13 AC receptacles (for use with a universal outlet adapter, included). [D] Charger capacity is user-selectable. [E] Dimensions listed are for the remote module only, without the faceplate. Faceplate dimensions are 3.75 x 5.75 inches (H x W). The policy of Tripp Lite is one of continuous improvement. Specifications are subject to change without notice. Actual product may differ slightly from photos.

Detailed specifications available: www.tripplite.com