



POWERVERTER®

12 Volt DC to 120 Volt AC Power Inverters

Power AC appliances, tools and office equipment wherever you go!

SIZING GUIDE ON BACK!



ULTRA-COMPACT INVERTERS

PowerVerter® Ultra-Compact

Advanced, modified sine-wave output makes these models ideal for powering most notebook computers, small appliances, tools and mobile office equipment. Feature rugged, all-metal housings, low battery-voltage alarm/shutdown and built-in cooling fan on select models. PV1000HF and PV1800HF are designed for higher capacity output and permanent mount. PV 140 and PV 300 include cigarette-lighter plug, while PV 500 features positive/ground DC input terminals and cabling.

Model	Input	Regular Output	Peak Output	Outlets	Weight
PV 140	12 volt	140 watts	200 watts	1	1.5 lb
PV 300	12 volt	300 watts	500 watts	2	2 lb
PV 500	12 volt	500 watts	800 watts	3	2.5 lb
PV 1000HF	12 volt	1000 watts	1800 watts	3	6 lb
PV 1800HF	12 volt	1800 watts	2700 watts	3	8 lb

NEW!

HIGH-PERFORMANCE INVERTERS

PowerVerter® Plus

These "peak power" inverters maintain up to 200% of their rated output for short durations, providing adequate power to start large AC motors and heavy inductive loads. High-efficiency operation conserves batteries to prolong runtimes. All models are frequency-controlled to provide operating stability for connected appliances.



Model	Input	Continuous Output	Peak Output	Outlets	Weight
PV 500FC	12 volt	500 watts	1000 watts	2	15 lb
PV 1000FC	12 volt	1000 watts	2000 watts	2	26 lb
PV 2000FC	12 volt	2000 watts	4000 watts	2	38 lb
PV 2400FC	24 volt	2400 watts	4800 watts	2	41 lb

INVERTERS WITH INTEGRATED BATTERY CHARGERS

APS PowerVerter® - Inverter/Charger

APS PowerVerter offers all the features and benefits of PowerVerter Plus inverters including high surge power capacity, high grade, frequency-controlled AC output and heavy duty construction. They add regulated 3-stage battery chargers and high/low voltage switchover setpoints that allow users to get maximum inverter performance in any power environment. APS provide AC power to your equipment while utility power is available and charge an array of user-supplied DC batteries at the same time. When AC power is not available, APS PowerVerter automatically switch to battery power to keep connected equipment up and running.



Model	Input	Continuous Output	Peak Output	Outlets	Weight
APS 512	12 volt	500 watts	1200 watts	2	16 lb
APS 912	12 volt	900 watts	1800 watts	2	26.4 lb
APS 1024	24 volt	1000 watts	2000 watts	2	26.4 lb
APS 2012	12 volt	2000 watts	4000 watts	Hardwire	38 lb
APS 2424	24 volt	2400 watts	4800 watts	Hardwire	41 lb
APS 3636	36 volt	3600 watts	7200 watts	Hardwire	57 lb

NEW! MARINE SERIES



MPS PowerVerter® Series (for marine applications)

Provide the same protection as APS inverters, but internal components and external switches have been treated to be moisture resistant. Designed for use in marine and high humidity environments.

Model	Input	Continuous Output	Peak Output	Outlets	Weight
MPS 512	12 volt	500 watts	1200 watts	2	16 lb.
MPS 912	12 volt	900 watts	1800 watts	2	26.4 lb.
MPS 1024	24 volt	1000 watts	2000 watts	2	26.4 lb.
MPS 2012	12 volt	2000 watts	4000 watts	Hardwire	38 lb.
MPS 2424	24 volt	2400 watts	4800 watts	Hardwire	41 lb.

GENERAL PURPOSE INVERTERS

PowerVerter®

An economical solution for most mobile power needs. Ideal for use with most small appliances and tools. Heavy-duty yet easily transportable for use in cars, service vehicles, trucks, RVs and boats.

Model	Input	Continuous Output	Peak Output	Outlets	Weight
PV 125	12 volt	125 watts	175 watts	1	3 lb
PV 400	12 volt	400 watts	600 watts	1	10 lb



POWER INVERTER SIZING GUIDE



SIZING RULE OF THUMB:

Multiply the amps of your device x 120 to determine required wattage.

AMPS X VOLTS = WATTS

(Example: A 1/4" Drill requires 2 1/2 Amps. 2 1/2 Amps x 120 = 300 Watts)

Always choose an inverter with a rating greater than or equal to required wattage.

Application	Typical Watts	RECOMMENDED TRIPP LITE MODEL			
		Ultra Compact Inverter	High-Performance Inverter	APS Series Inverter*	General Purpose Inverter
POWER TOOLS					
Finishing Sander	190	PV 500	PV 500FC	APS 512	PV 400
5" Bench Grinder	220	PV 500	PV 500FC	APS 512	PV 400
1/4" Drill	300	PV 500	PV 500FC	APS 512	PV 400
Soldering Gun	300	PV 500	PV 500FC	APS 512	
6" Bench Grinder	400	PV 500	PV 500FC	APS 512	
790° F Heat Gun	400	PV 500	PV 500FC	APS 512	
3/8" Reversible Drill	450	PV 500	PV 500FC	APS 512	
Jigsaw	450	PV 500	PV 500FC	APS 512	
Standard Sawsall	480	PV 500	PV 500FC	APS 512	
4 1/2" Disc Grinder	600	PV 1000HF	PV 1000FC	APS 912	
1/2" Reversible Drill	700	PV 1000HF	PV 1000FC	APS 912	
10 Gallon Wet/Dry Vacuum	900	PV 1000HF	PV 1000FC	APS 912	
6" Circular Saw	950	PV 1000HF	PV 1000FC	APS 1024	
Router	1000	PV 1800HF	PV 2000FC	APS 1024	
1200° F Heat Gun	1000	PV 1800HF	PV 2000FC	APS 1024	
Disk Sander/Grinder	1200	PV 1800HF	PV 2000FC	APS 2012	
14" Chain Saw	1200	PV 1800HF	PV 2000FC	APS 2012	
PUMPS					
1/8 hp Pump	165	PV 300	PV 500FC	APS 512	PV 400
1/8 hp Submersible Sump Pump	880		PV 1000FC	APS 912	
1/4 hp Submersible Sump Pump	925		PV 1000FC	APS 1024	
1/2 hp Submersible Sump Pump	1050		PV 2000FC	APS 2012	
1/2 hp Submersible Sump Pump	1400		PV 2400FC	APS 2012	
AUDIO/VIDEO EQUIPMENT					
Video Game System	20	PV 140	PV 500FC	APS 512	PV 125
12" Black and White TV	30	PV 140	PV 500FC	APS 512	PV 125
VCR	30	PV 140	PV 500FC	APS 512	PV 125
CD Changer/Mini System	50	PV 140	PV 500FC	APS 512	PV 125
13" Color TV	80	PV 140	PV 500FC	APS 512	PV 125
19" Color TV	160	PV 300	PV 500FC	APS 512	PV 400
25" Color TV	220	PV 300	PV 500FC	APS 512	PV 400
Stereo Amplifier	240	PV 300	PV 500FC	APS 512	PV 400
APPLIANCES					
Can Opener	100	PV 300	PV 500FC	APS 512	PV 400
Electric Knife	100	PV 300	PV 500FC	APS 512	PV 400
12" 3-Speed Fan	250	PV 300	PV 500FC	APS 512	PV 400
Mixer/Blender	300	PV 500	PV 500FC	APS 512	PV 400
Food Processor	400	PV 500	PV 500FC	APS 512	
Mini-Refrigerator	400	PV 1000HF	PV 1000FC	APS 912	
Portable Vacuum	550	PV 1000HF	PV 1000FC	APS 912	
Toaster Oven	1000	PV 1800HF	PV 1000FC	APS 1024	
Coffee Maker	1100	PV 1800HF	PV 2000FC	APS 2012	
Microwave Oven	1200	PV 1800HF	PV 2000FC	APS 2012	
MOBILE OFFICE EQUIPMENT					
Inkjet/Bubblejet Printer	40	PV 140	PV 500FC	APS 512	PV 125
Notebook Computer	100	PV 140	PV 500FC	APS 512	PV 125
Fax Machine	120	PV 140	PV 500FC	APS 512	PV 125
14" Color Monitor	125	PV 140	PV 500FC	APS 512	PV 125
Laser Printer	800	PV 1000HF	PV 1000FC	APS 912	
BATTERY CHARGERS					
Laptop Computer Charger	25	PV 140	PV 500FC	APS 512	PV 125
7.2V Cordless Drill Charger	25	PV 140	PV 500FC	APS 512	PV 125
Cellular Phone Charger	25	PV 140	PV 500FC	APS 512	PV 125
Camcorder Charger	25	PV 140	PV 500FC	APS 512	PV 125
Cordless Saw Charger	35	PV 140	PV 500FC	APS 512	PV 125

* Substitute MPS model of same voltage for marine applications. (See reverse for product details.)

WIRE-GAUGE

PowerVerter models PV 125, PV 140, PV 300 and PV 500 include all necessary cabling. For models requiring user-supplied cables, these wire-gauges are recommended for battery connections in order to achieve maximum output from your Tripp Lite PowerVerter:

8 gauge

PV 400, APS 512

4 gauge

APS 512, PV 500FC, PV 550

2/0 gauge

PV 1000FC, PV 2000FC, PV 2400FC, APS 912 through 3636, PV 1000HF, PV 1800HF

